

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF051216\  
 Data File : BF086950.D  
 Acq On : 13 May 2016 00:47  
 Operator : UM/SJ  
 Sample : H2994-11  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CH-STA-1720-00(0-2)

Manual Integrations  
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 5/13/2016 8:07:48 PM

Quant Time: May 13 02:30:26 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 13 00:58:18 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.62  | 152  | 133448   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 7.91  | 136  | 527917   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10      | 9.66  | 164  | 217111   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10      | 11.13 | 188  | 308739   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12          | 13.77 | 240  | 265200   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.13 | 264  | 257693   | 20.00 | ng    | 0.01     |

|                             |       |     |        |       |    |       |
|-----------------------------|-------|-----|--------|-------|----|-------|
| System Monitoring Compounds |       |     |        |       |    |       |
| 5) 2-Fluorophenol           | 5.21  | 112 | 711025 | 90.23 | ng | 0.00  |
| 7) Phenol-d6                | 6.28  | 99  | 900021 | 85.46 | ng | -0.01 |
| 23) Nitrobenzene-d5         | 7.20  | 82  | 676587 | 64.35 | ng | -0.01 |
| 41) 2,4,6-Tribromophenol    | 10.44 | 330 | 157533 | 68.54 | ng | -0.01 |
| 44) 2-Fluorobiphenyl        | 8.99  | 172 | 931604 | 72.12 | ng | 0.00  |
| 78) Terphenyl-d14           | 12.72 | 244 | 576061 | 46.09 | ng | 0.00  |

|                            |       |     |         |        |    |      |
|----------------------------|-------|-----|---------|--------|----|------|
| Target Compounds           |       |     |         | Qvalue |    |      |
| 31) Naphthalene            | 7.93  | 128 | 146647  | 5.55   | ng | 99   |
| 37) 2-Methylnaphthalene    | 8.63  | 142 | 72014   | 4.66   | ng | 99   |
| 48) Acenaphthylene         | 9.52  | 152 | 230907  | 11.60  | ng | 98   |
| 49) Dimethylphthalate      | 9.39  | 163 | 88398   | 5.34   | ng | 98   |
| 54) Dibenzofuran           | 9.86  | 168 | 45158   | 2.84   | ng | # 97 |
| 70) Phenanthrene           | 11.15 | 178 | 358660  | 21.77  | ng | 99   |
| 71) Anthracene             | 11.21 | 178 | 217065  | 12.88  | ng | 98   |
| 72) Carbazole              | 11.37 | 167 | 49501   | 3.42   | ng | 98   |
| 74) Fluoranthene           | 12.34 | 202 | 1071174 | 63.21  | ng | 98   |
| 77) Pyrene                 | 12.57 | 202 | 1089058 | 53.64  | ng | 100  |
| 80) Benzo(a)anthracene     | 13.76 | 228 | 743933  | 49.97  | ng | # 93 |
| 82) Chrysene               | 13.79 | 228 | 643775m | 42.51  | ng |      |
| 85) Indeno(1,2,3-cd)pyrene | 16.38 | 276 | 293133  | 23.26  | ng | # 90 |
| 87) Benzo(b)fluoranthene   | 14.77 | 252 | 945320m | 56.44  | ng |      |
| 88) Benzo(k)fluoranthene   | 14.78 | 252 | 252280m | 18.40  | ng |      |
| 89) Benzo(a)pyrene         | 15.07 | 252 | 491513  | 34.03  | ng | 95   |
| 90) Dibenzo(a,h)anthracene | 16.39 | 278 | 89436   | 7.35   | ng | 94   |
| 91) Benzo(g,h,i)perylene   | 16.75 | 276 | 241280  | 19.50  | ng | 95   |

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

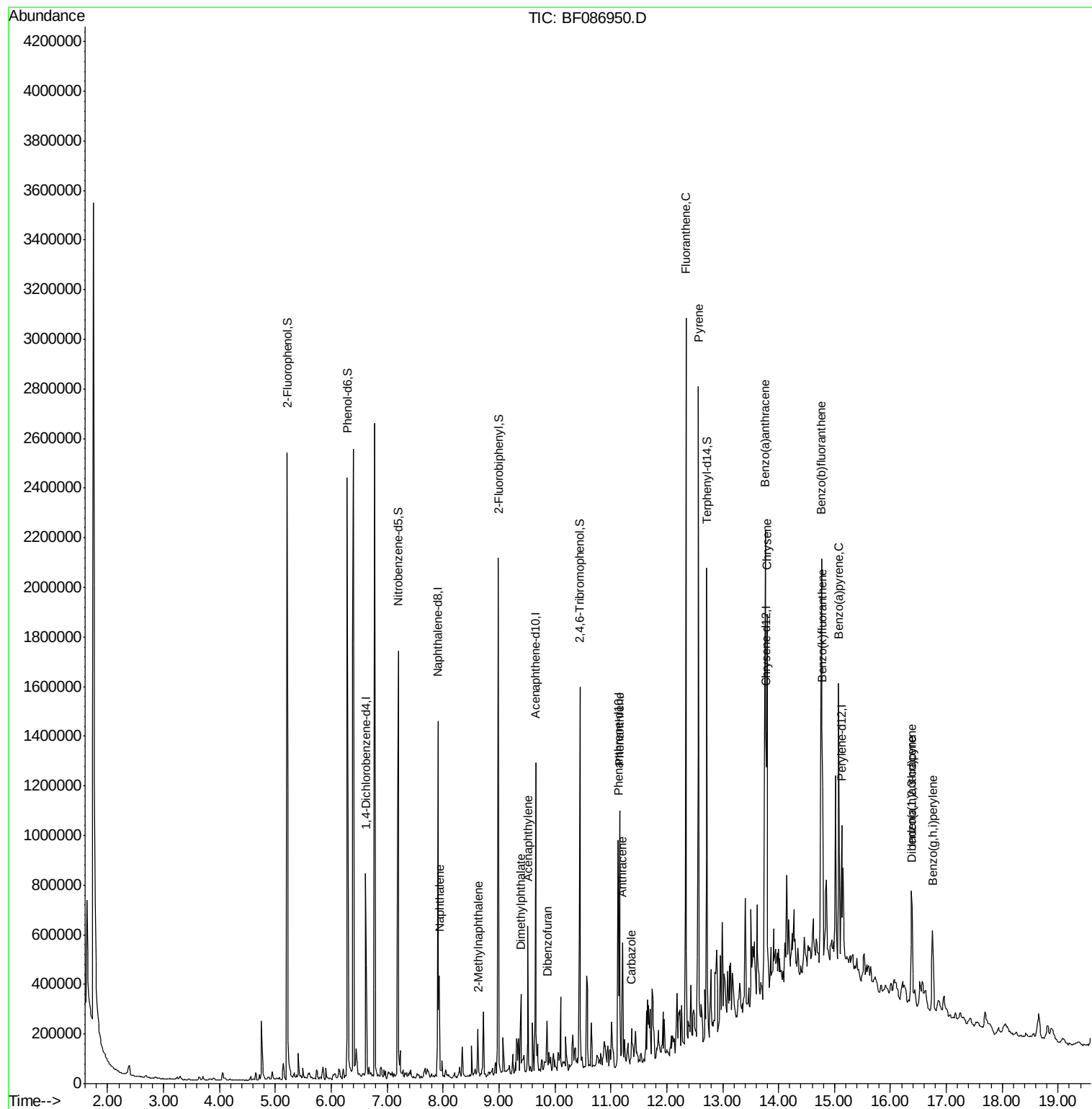
Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF051216\  
Data File : BF086950.D  
Acq On : 13 May 2016 00:47  
Operator : UM/SJ  
Sample : H2994-11  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

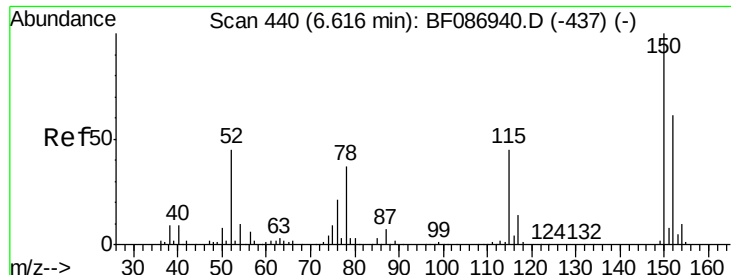
Instrument :  
BNA\_F  
ClientSampleId :  
CH-STA-1720-00(0-2)

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Quant Time: May 13 02:30:26 2016  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri May 13 00:58:18 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.62 min Scan# 440

Delta R.T. -0.01 min

Lab File: BF086950.D

Acq: 13 May 2016 00:47

Instrument :

BNA\_F

ClientSampleId :

CH-STA-1720-00(0-2)

Tgt Ion:152 Resp: 133448

Ion Ratio Lower Upper

152 100

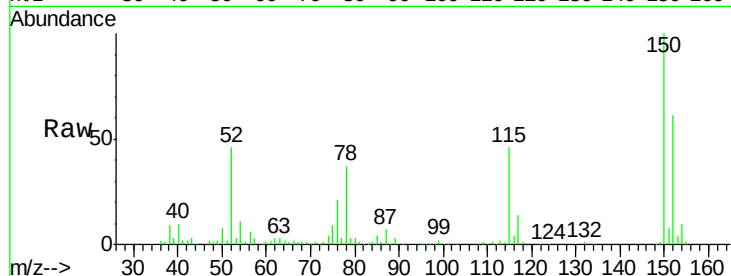
150 164.8 125.8 188.6

115 76.3 51.5 77.3

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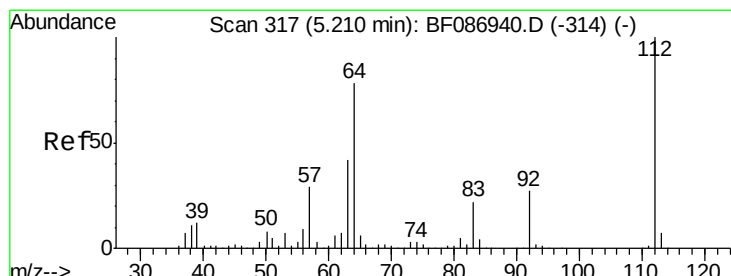
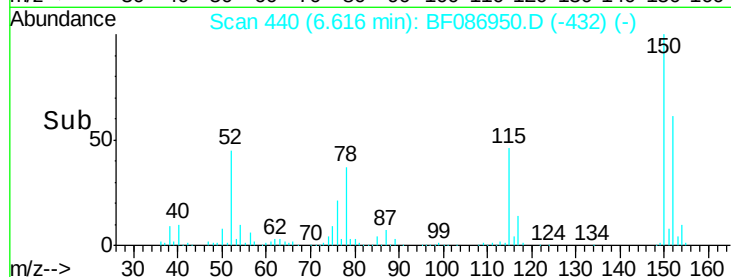
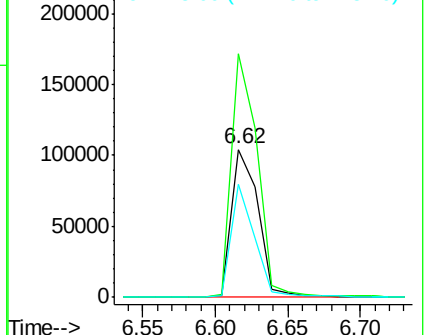
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 90.23 ng

RT: 5.21 min Scan# 317

Delta R.T. 0.00 min

Lab File: BF086950.D

Acq: 13 May 2016 00:47

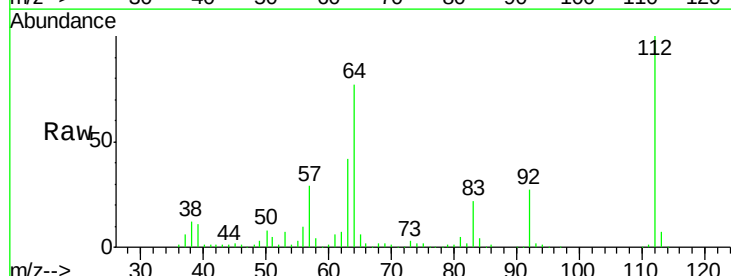
Tgt Ion:112 Resp: 711025

Ion Ratio Lower Upper

112 100

64 77.5 52.1 78.1

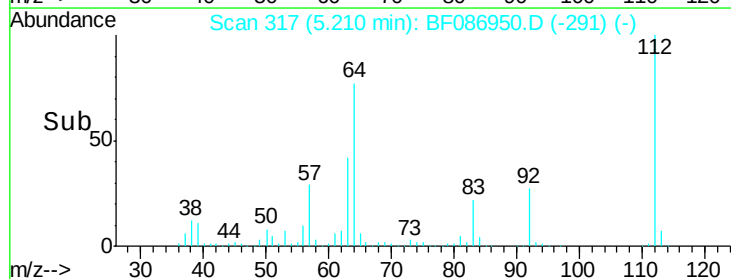
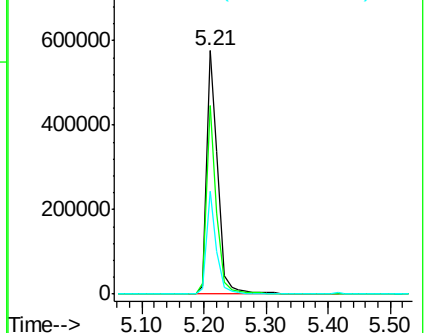
63 42.2 25.7 38.5#

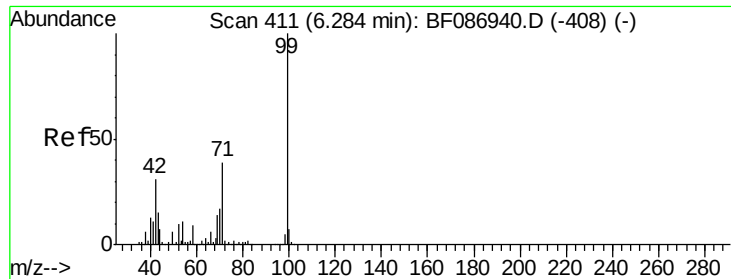


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 85.46 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.01 min

Lab File: BF086950.D

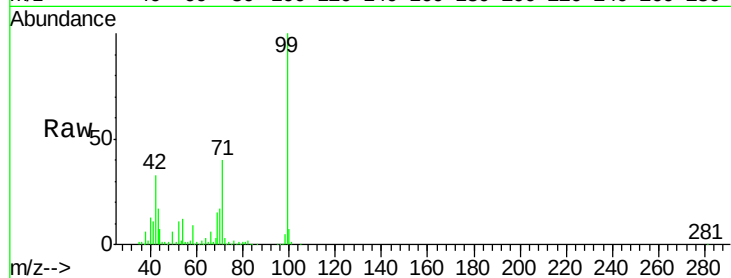
Acq: 13 May 2016 00:47

Instrument :

BNA\_F

ClientSampleId :

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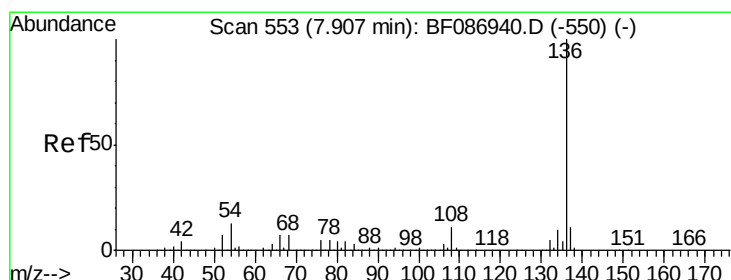
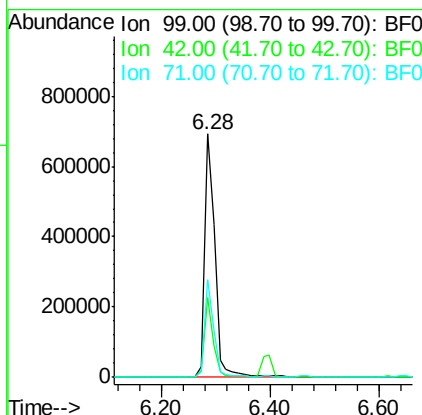
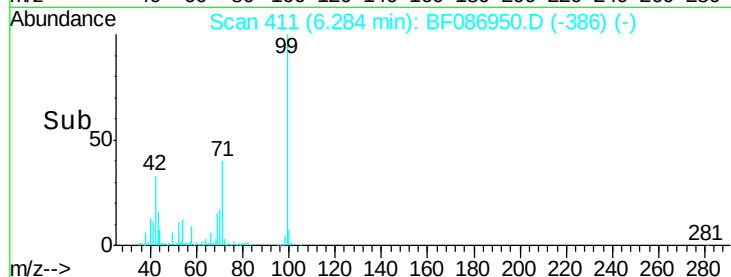


Tgt Ion: 99 Resp: 900021

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 33.0  | 13.6  | 20.4# |
| 71  | 40.3  | 24.6  | 36.8# |

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.91 min Scan# 553

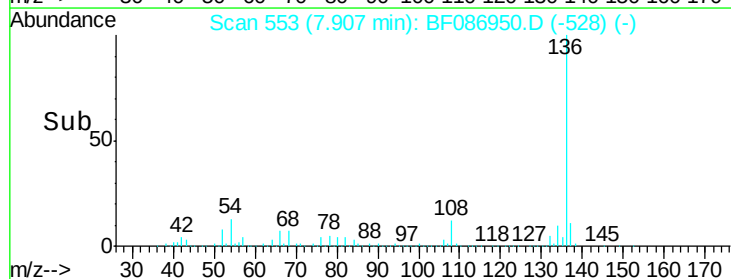
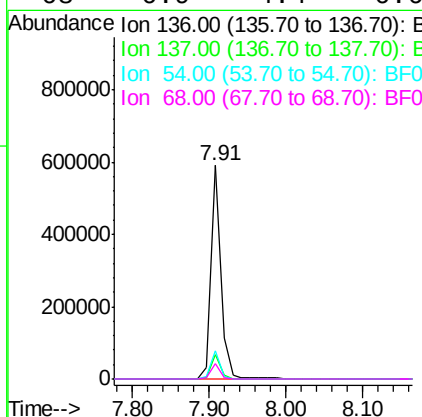
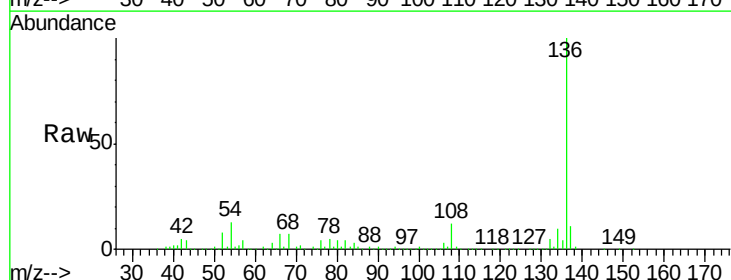
Delta R.T. -0.01 min

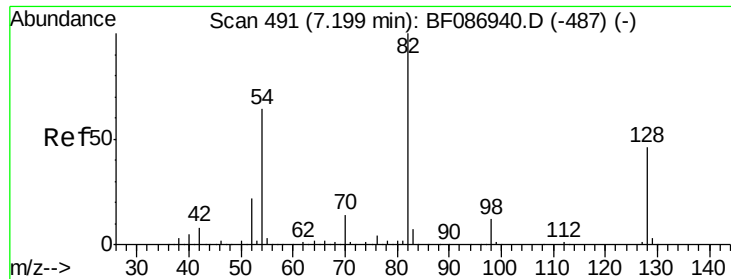
Lab File: BF086950.D

Acq: 13 May 2016 00:47

Tgt Ion: 136 Resp: 527917

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.2  | 8.8   | 13.2  |
| 54  | 13.1  | 5.0   | 7.4#  |
| 68  | 6.9   | 4.4   | 6.6#  |





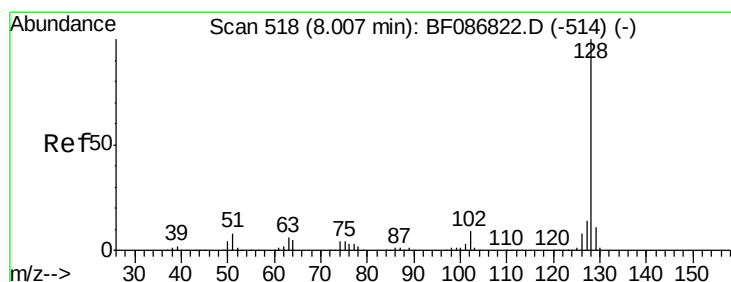
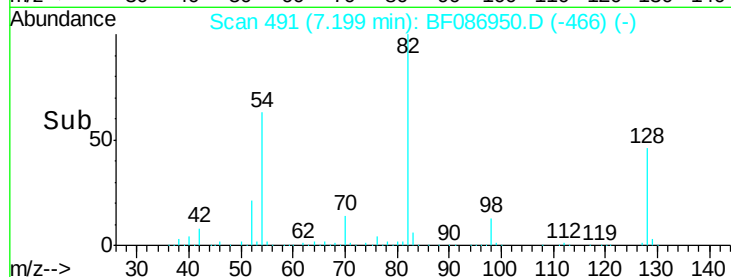
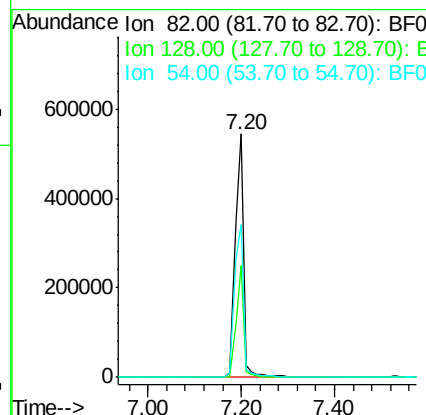
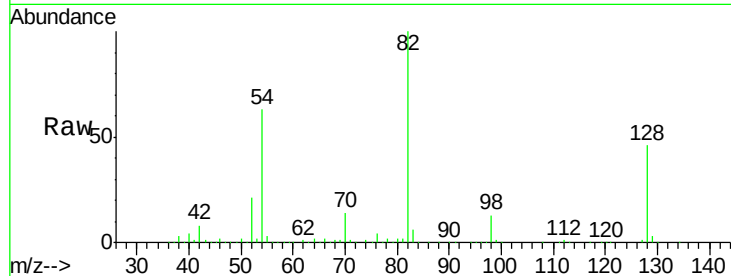
#23  
 Nitrobenzene-d5  
 Concen: 64.35 ng  
 RT: 7.20 min Scan# 491  
 Delta R.T. -0.01 min  
 Lab File: BF086950.D  
 Acq: 13 May 2016 00:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CH-STA-1720-00(0-2)

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 82      | 100   |            |            |
| 128     | 46.1  | 40.6       | 61.0       |
| 54      | 62.7  | 38.1       | 57.1       |

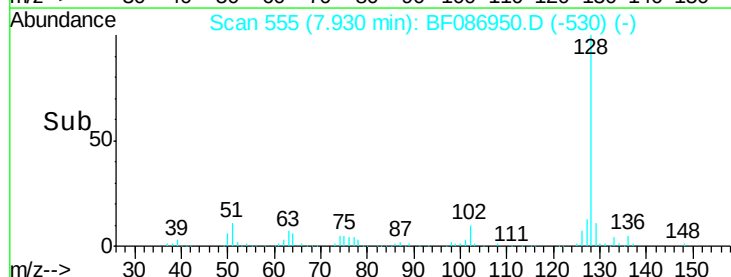
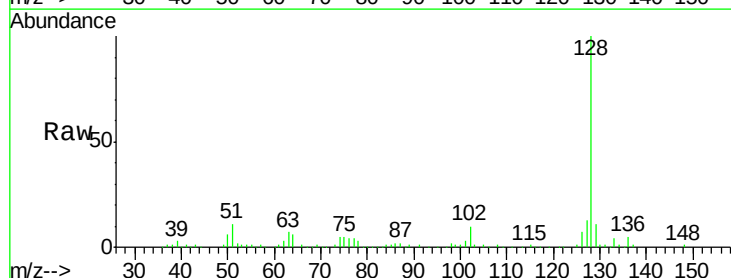
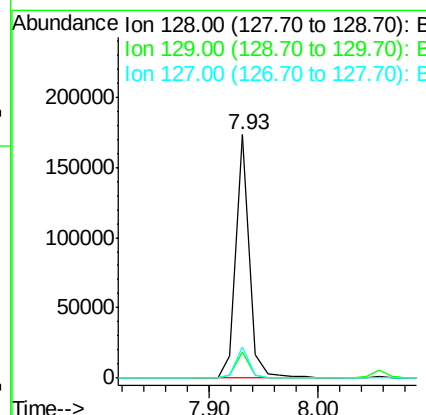
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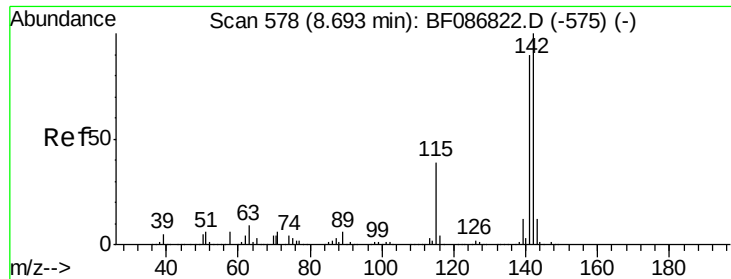
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#31  
 Naphthalene  
 Concen: 5.55 ng  
 RT: 7.93 min Scan# 555  
 Delta R.T. -0.01 min  
 Lab File: BF086950.D  
 Acq: 13 May 2016 00:47

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 128     | 100   |            |            |
| 129     | 10.9  | 8.6        | 13.0       |
| 127     | 12.6  | 10.8       | 16.2       |





#37

2-Methylnaphthalene

Concen: 4.66 ng

RT: 8.63 min Scan# 616

Delta R.T. 0.00 min

Lab File: BF086950.D

Acq: 13 May 2016 00:47

Instrument :

BNA\_F

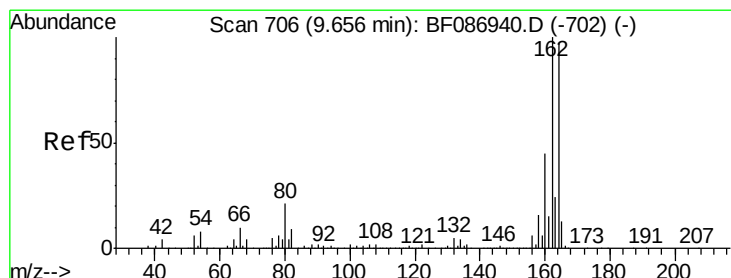
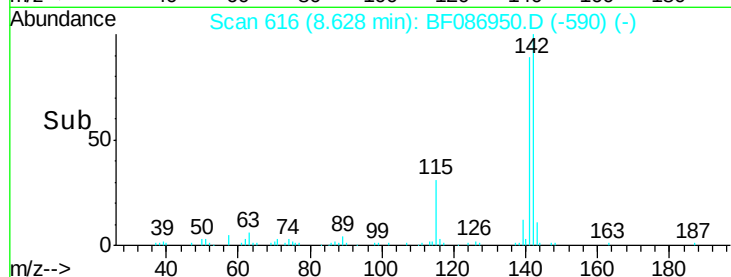
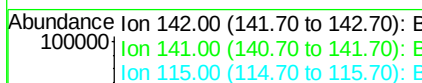
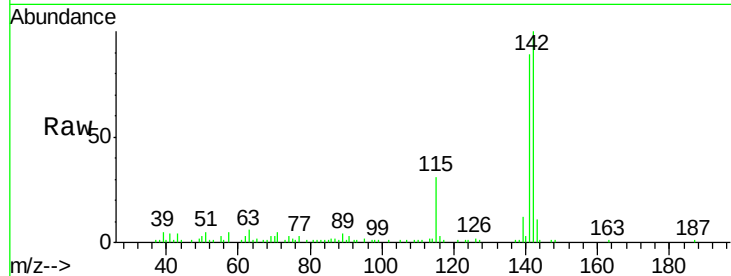
ClientSampleId :

CH-STA-1720-00(0-2)

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 72014 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 141       | 88.9  | 71.0  | 106.6 |
| 115       | 30.9  | 26.6  | 39.8  |

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#38

Acenaphthene-d10

Concen: 20.00 ng

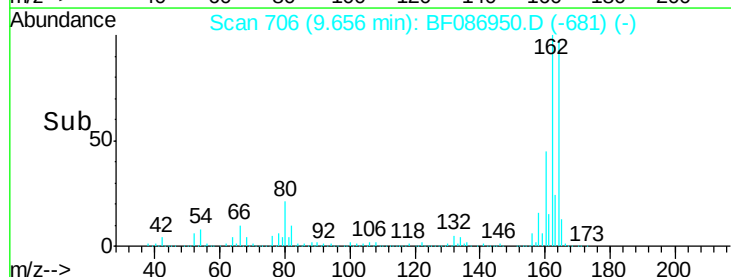
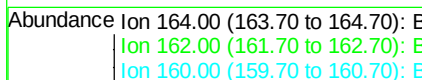
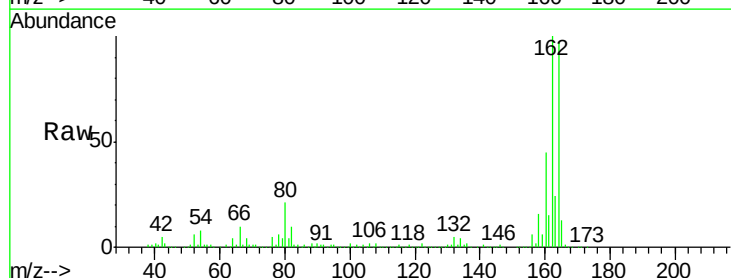
RT: 9.66 min Scan# 706

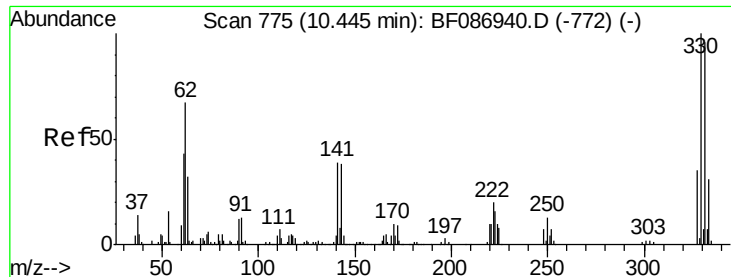
Delta R.T. -0.01 min

Lab File: BF086950.D

Acq: 13 May 2016 00:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 164   | Resp: | 217111 |
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 103.2 | 82.8  | 124.2  |
| 160       | 46.7  | 36.9  | 55.3   |





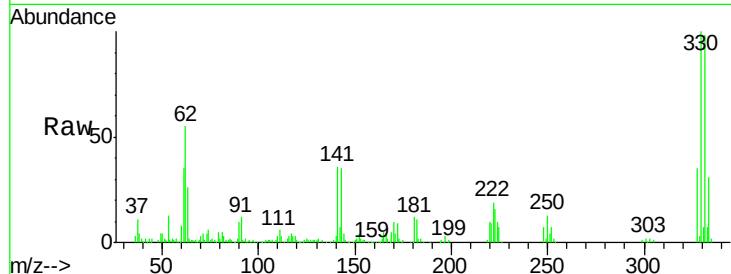
#41  
 2,4,6-Tribromophenol  
 Concen: 68.54 ng  
 RT: 10.44 min Scan# 775  
 Delta R.T. -0.01 min  
 Lab File: BF086950.D  
 Acq: 13 May 2016 00:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CH-STA-1720-00(0-2)

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 157533 |       |       |
| 332     | 98.5  | 79.0   | 118.4 |       |
| 141     | 43.2  | 31.2   | 46.8  |       |

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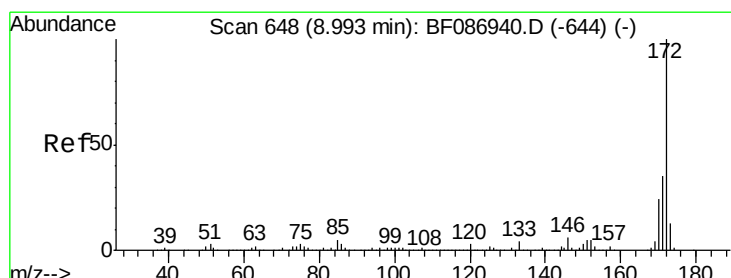
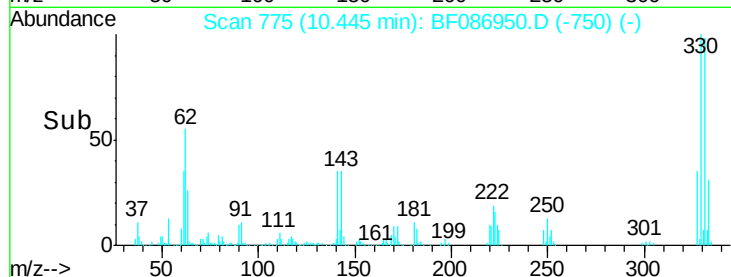
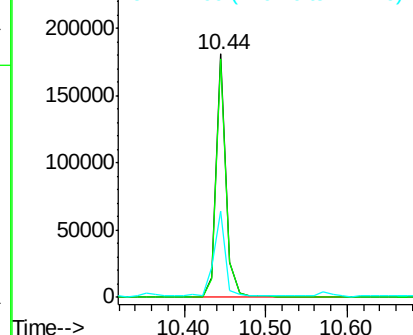


Abundance

Ion 329.80 (329.50 to 330.50): E

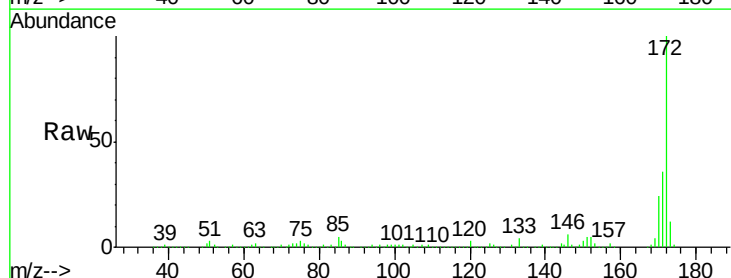
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 72.12 ng  
 RT: 8.99 min Scan# 648  
 Delta R.T. 0.00 min  
 Lab File: BF086950.D  
 Acq: 13 May 2016 00:47

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 172     | 100   | 931604 |       |       |
| 171     | 35.6  | 29.0   | 43.6  |       |
| 170     | 23.7  | 19.8   | 29.8  |       |

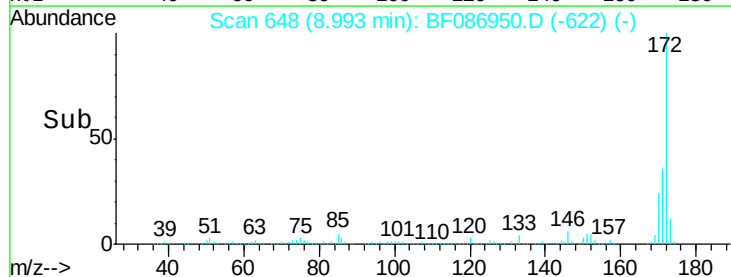
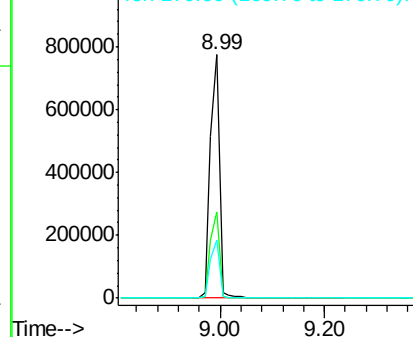


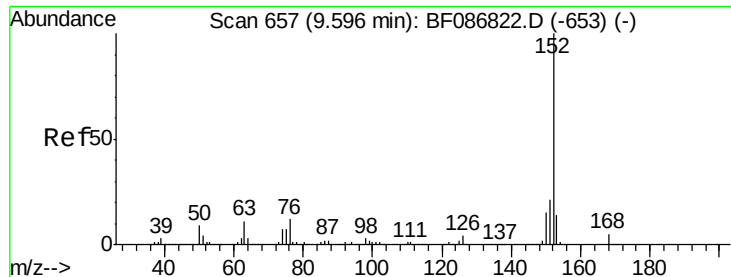
Abundance

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: 11.60 ng

RT: 9.52 min Scan# 694

Delta R.T. -0.01 min

Lab File: BF086950.D

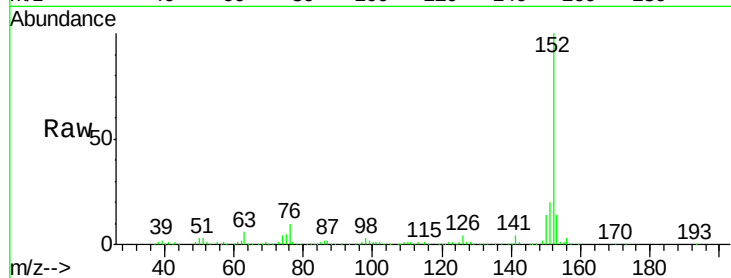
Acq: 13 May 2016 00:47

Instrument :

BNA\_F

ClientSampleId :

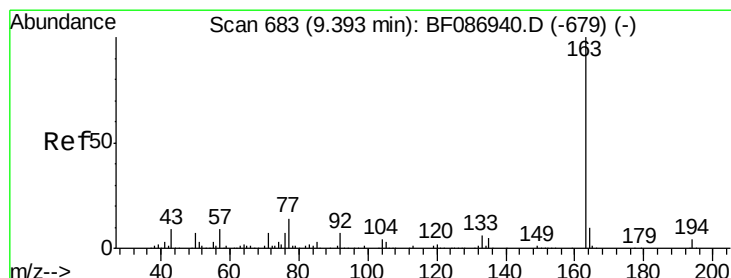
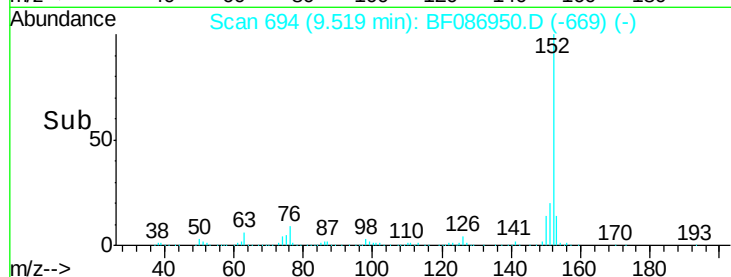
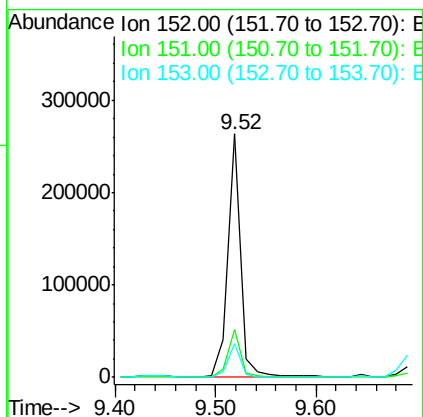
CH-STA-1720-00(0-2)



|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 152  | Resp: | 230907 |
| Ion Ratio |      | Lower | Upper  |
| 152       | 100  |       |        |
| 151       | 19.6 | 16.8  | 25.2   |
| 153       | 13.8 | 10.9  | 16.3   |

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#49

Dimethylphthalate

Concen: 5.34 ng

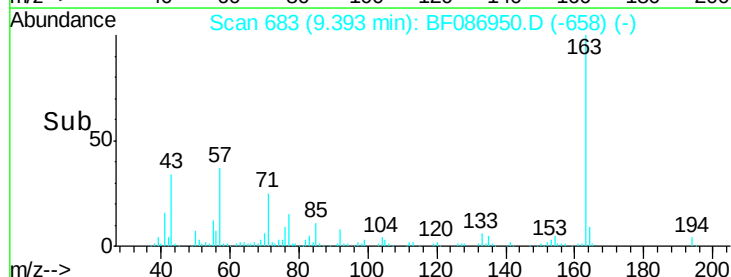
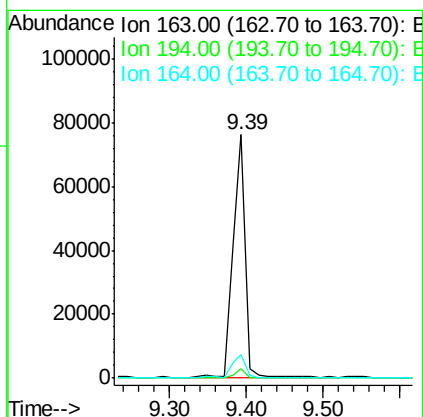
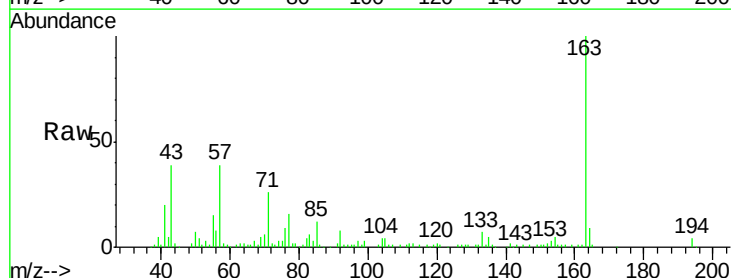
RT: 9.39 min Scan# 683

Delta R.T. -0.01 min

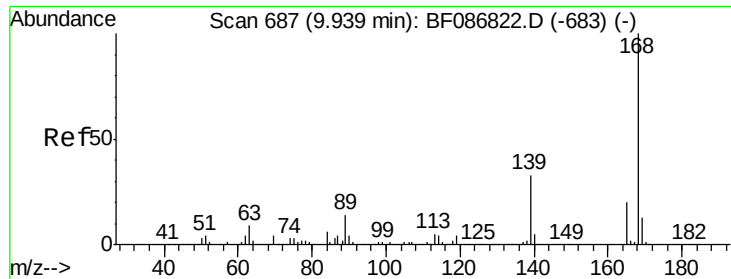
Lab File: BF086950.D

Acq: 13 May 2016 00:47

|           |     |       |       |
|-----------|-----|-------|-------|
| Tgt Ion:  | 163 | Resp: | 88398 |
| Ion Ratio |     | Lower | Upper |
| 163       | 100 |       |       |
| 194       | 3.8 | 2.6   | 4.0   |
| 164       | 9.5 | 8.2   | 12.4  |







#54

Dibenzenofuran

Concen: 2.84 ng

RT: 9.86 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF086950.D

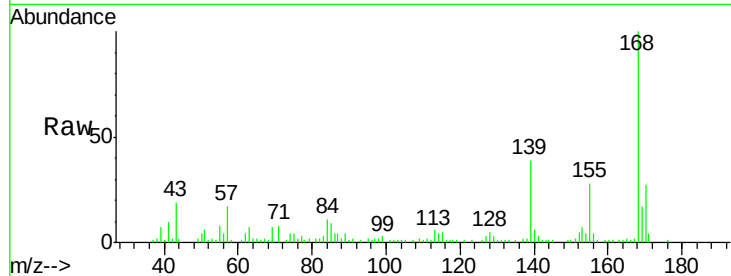
Acq: 13 May 2016 00:47

Instrument :

BNA\_F

ClientSampleId :

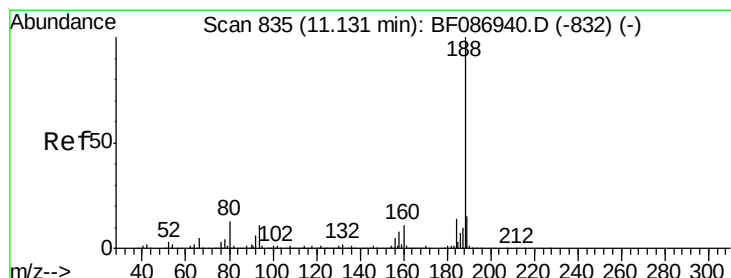
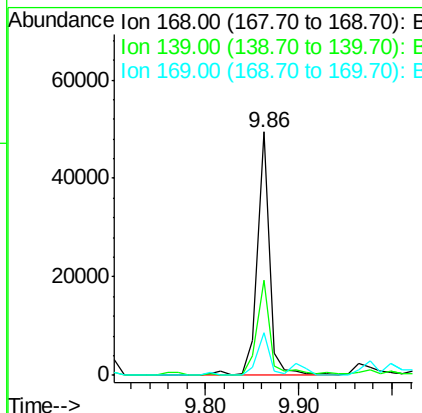
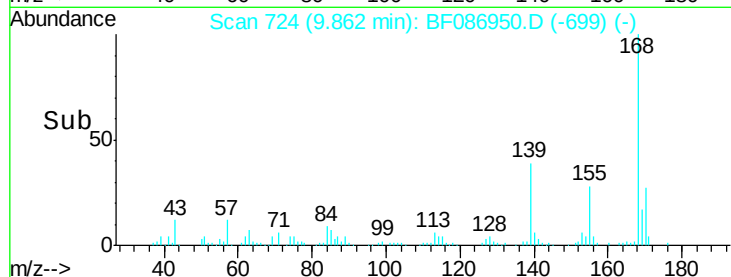
CH-STA-1720-00(0-2)



| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 168     | 100   | 45158 |       |       |
| 139     | 38.8  | 31.4  | 47.0  |       |
| 169     | 17.4  | 10.7  | 16.1  |       |

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#63

Phenanthrene-d10

Concen: 20.00 ng

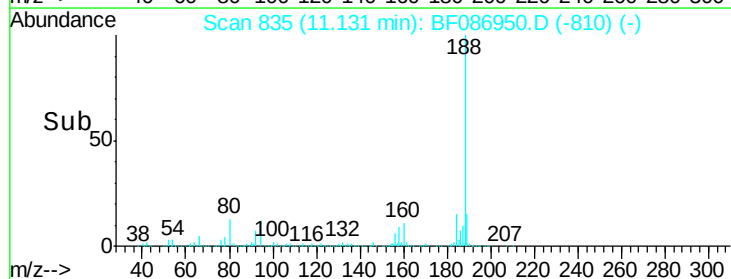
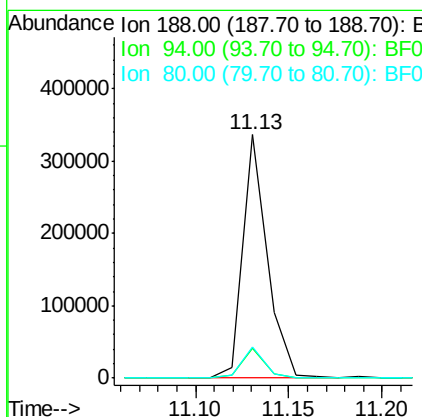
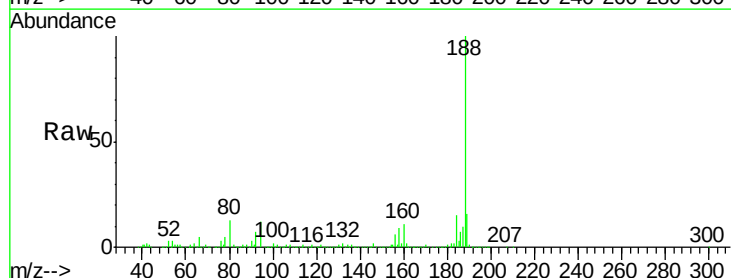
RT: 11.13 min Scan# 835

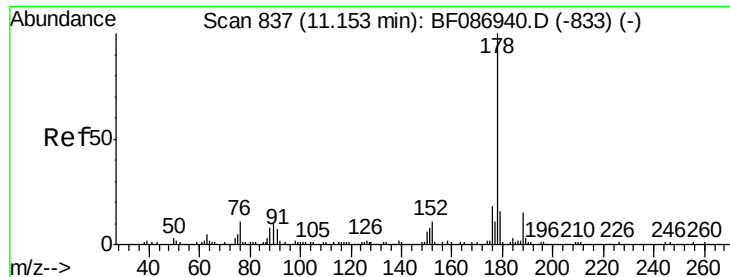
Delta R.T. -0.01 min

Lab File: BF086950.D

Acq: 13 May 2016 00:47

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 308739 |       |       |
| 94      | 12.0  | 6.8    | 10.2  | #     |
| 80      | 12.9  | 7.1    | 10.7  | #     |





#70

Phenanthrene

Concen: 21.77 ng

RT: 11.15 min Scan# 837

Delta R.T. -0.01 min

Lab File: BF086950.D

Acq: 13 May 2016 00:47

Instrument :

BNA\_F

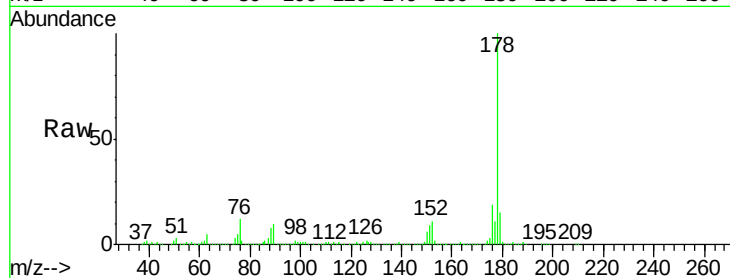
ClientSampleId :

CH-STA-1720-00(0-2)

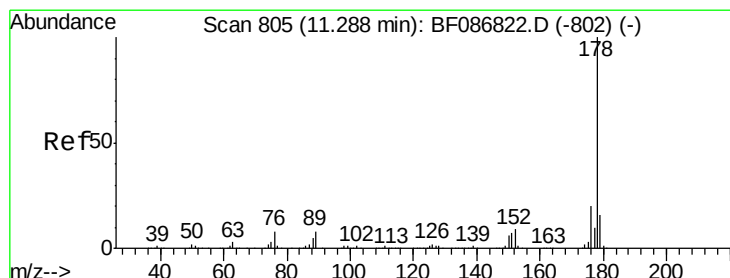
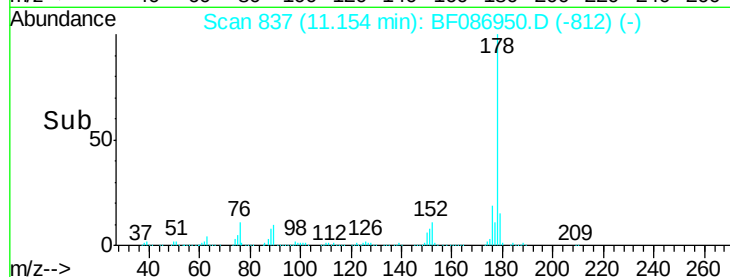
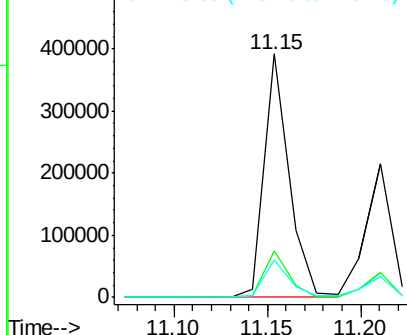
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 178   | Resp: | 358660 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 176       | 19.3  | 16.0  | 24.0   |
| 179       | 15.4  | 12.6  | 18.8   |

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Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 12.88 ng

RT: 11.21 min Scan# 842

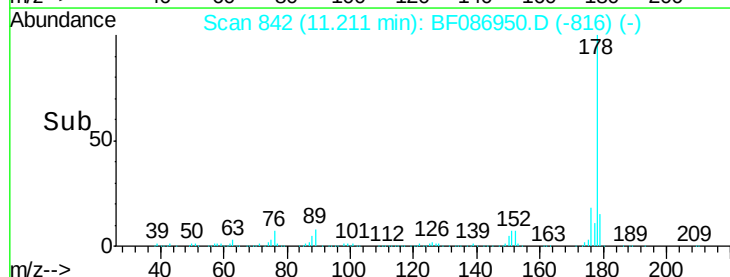
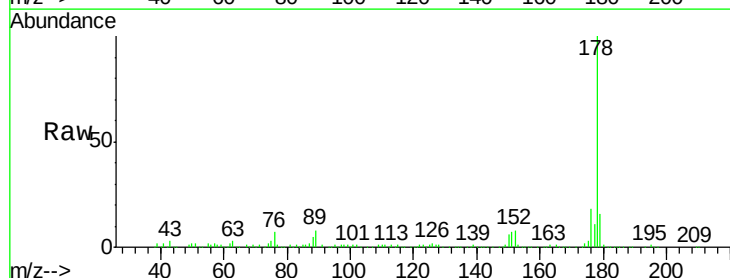
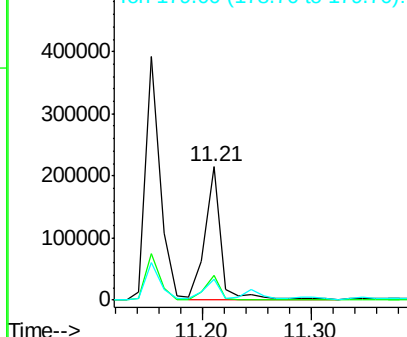
Delta R.T. 0.00 min

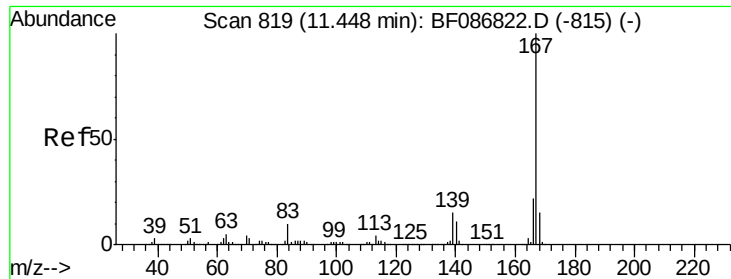
Lab File: BF086950.D

Acq: 13 May 2016 00:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 178   | Resp: | 217065 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 176       | 18.5  | 15.6  | 23.4   |
| 179       | 15.6  | 12.7  | 19.1   |

Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 3.42 ng

RT: 11.37 min Scan# 856

Delta R.T. -0.01 min

Lab File: BF086950.D

Acq: 13 May 2016 00:47

Instrument :

BNA\_F

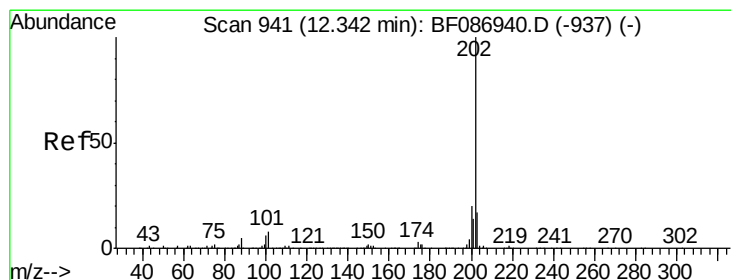
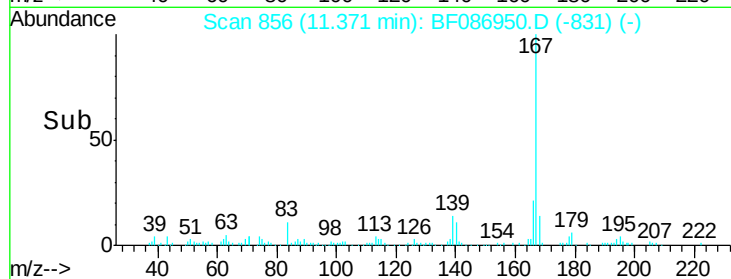
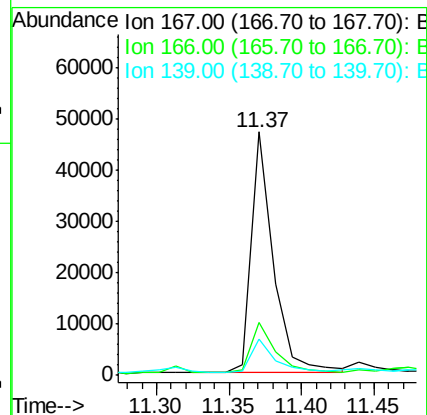
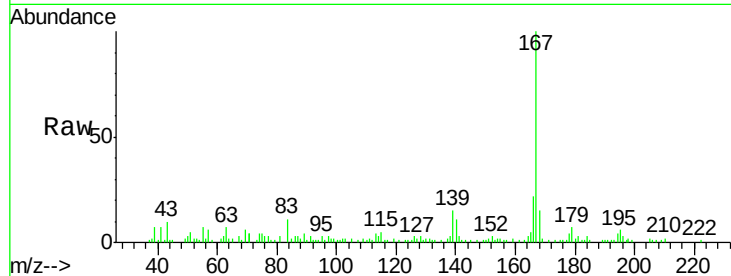
ClientSampleId :

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|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 167   | Resp: | 49501 |
| Ion Ratio | Lower | Upper |       |
| 167       | 100   |       |       |
| 166       | 21.5  | 17.7  | 26.5  |
| 139       | 14.9  | 10.8  | 16.2  |

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#74

Fluoranthene

Concen: 63.21 ng

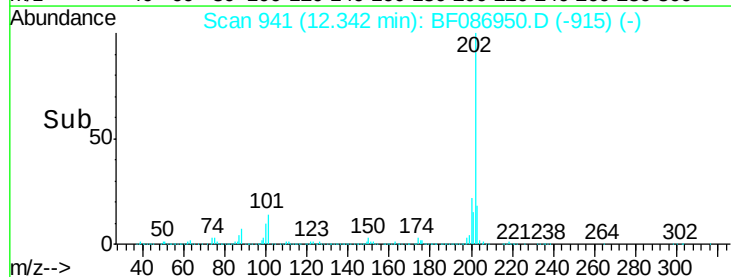
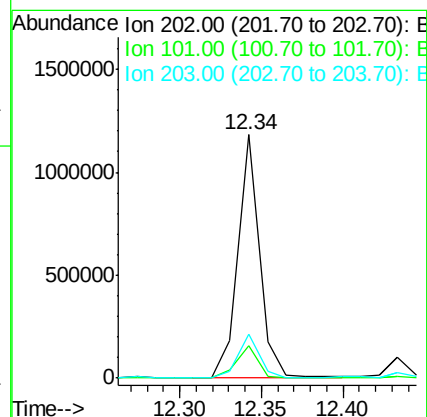
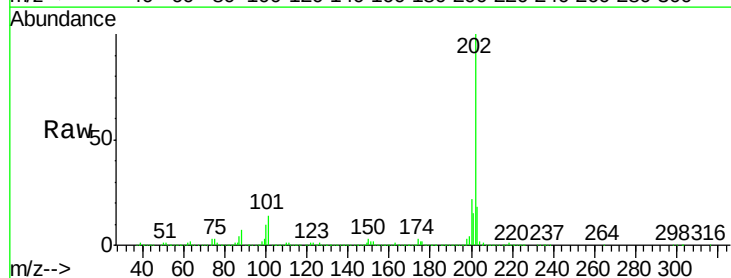
RT: 12.34 min Scan# 941

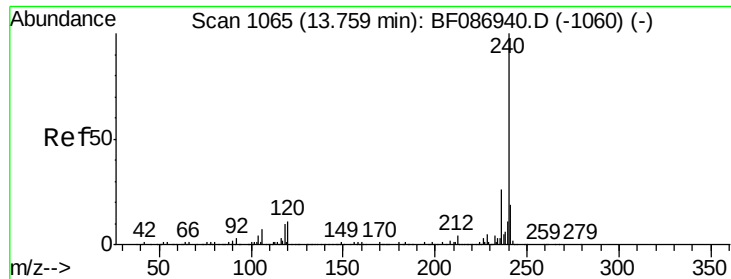
Delta R.T. 0.00 min

Lab File: BF086950.D

Acq: 13 May 2016 00:47

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 202   | Resp: | 1071174 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 101       | 13.6  | 0.0   | 35.4    |
| 203       | 18.3  | 0.0   | 38.1    |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.77 min Scan# 1066

Delta R.T. 0.00 min

Lab File: BF086950.D

Acq: 13 May 2016 00:47

Instrument :

BNA\_F

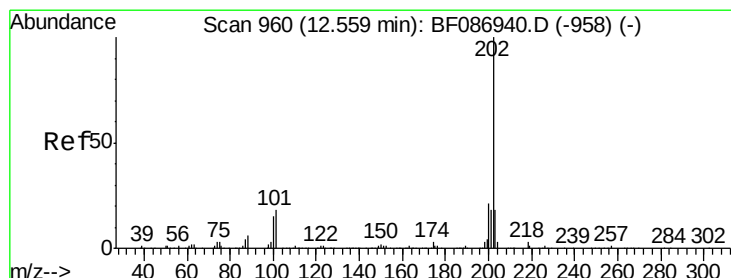
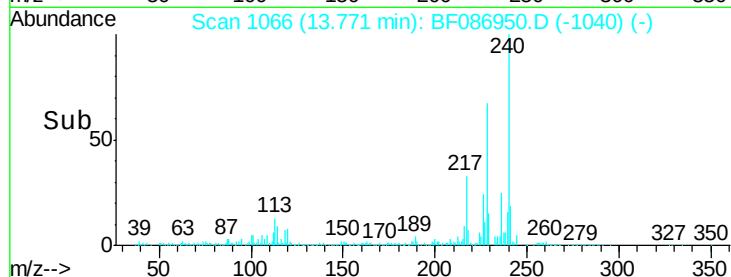
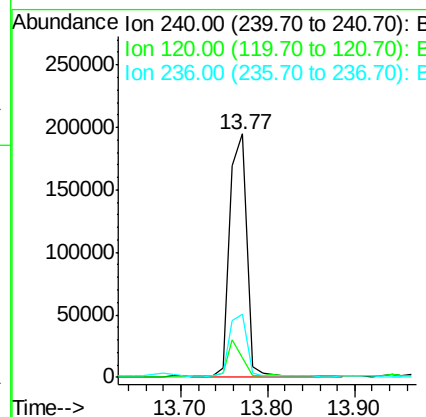
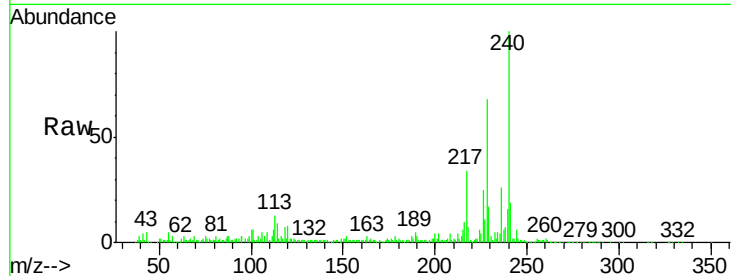
ClientSampleId :

CH-STA-1720-00(0-2)

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 265200 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 8.0   | 11.2  | 16.8#  |
| 236       | 25.8  | 21.2  | 31.8   |

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#77

Pyrene

Concen: 53.64 ng

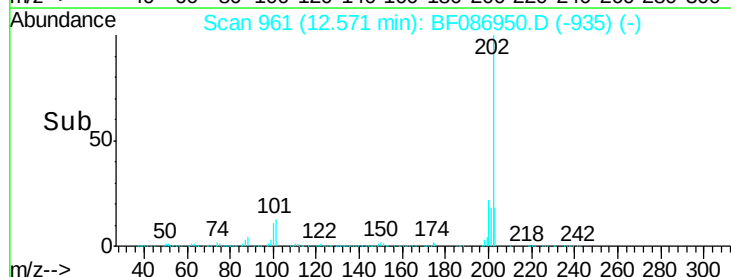
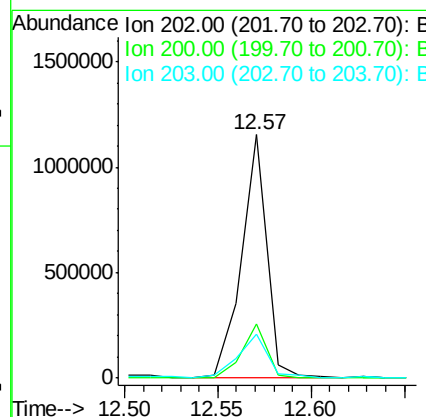
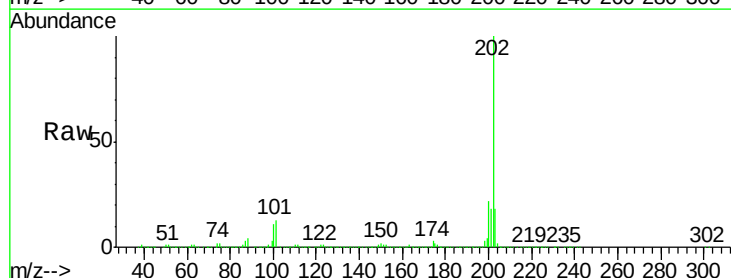
RT: 12.57 min Scan# 961

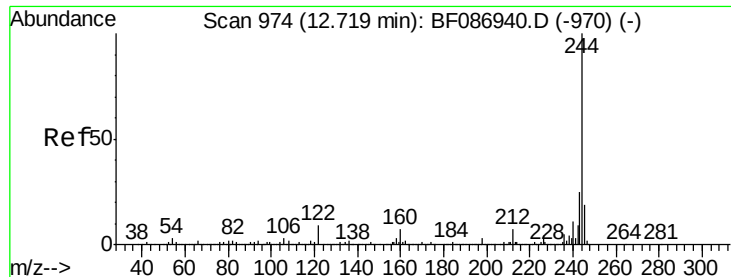
Delta R.T. 0.00 min

Lab File: BF086950.D

Acq: 13 May 2016 00:47

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 202   | Resp: | 1089058 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 200       | 22.2  | 17.7  | 26.5    |
| 203       | 18.0  | 14.2  | 21.4    |





#78

Terphenyl-d14

Concen: 46.09 ng

RT: 12.72 min Scan# 974

Delta R.T. 0.00 min

Lab File: BF086950.D

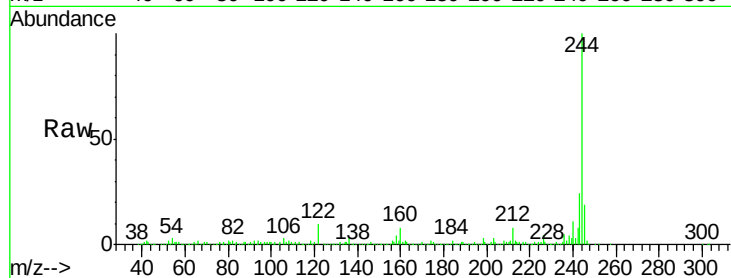
Acq: 13 May 2016 00:47

Instrument :

BNA\_F

ClientSampleId :

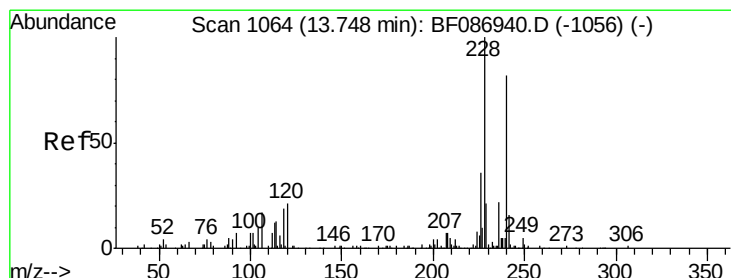
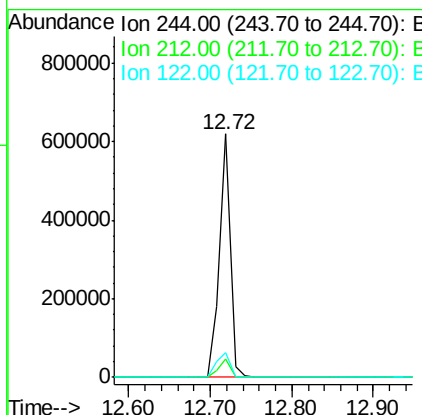
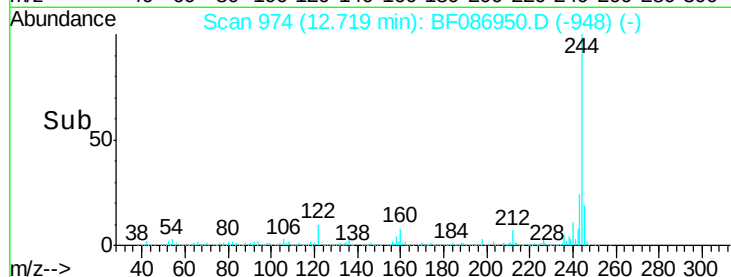
CH-STA-1720-00(0-2)



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 244   | Resp: | 576061 |
| Ion Ratio | Lower | Upper |        |
| 244       | 100   |       |        |
| 212       | 7.5   | 6.2   | 9.2    |
| 122       | 10.1  | 12.0  | 18.0#  |

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#80

Benzo(a)anthracene

Concen: 49.97 ng

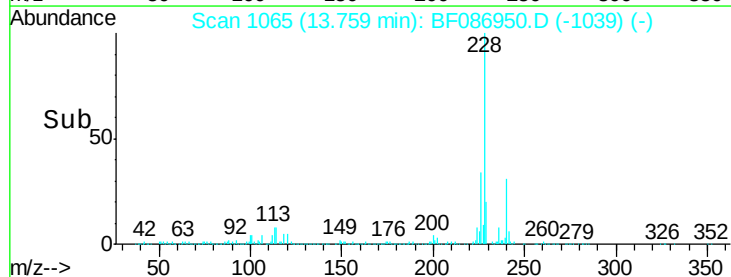
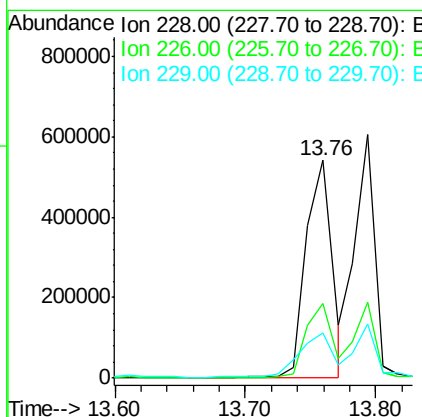
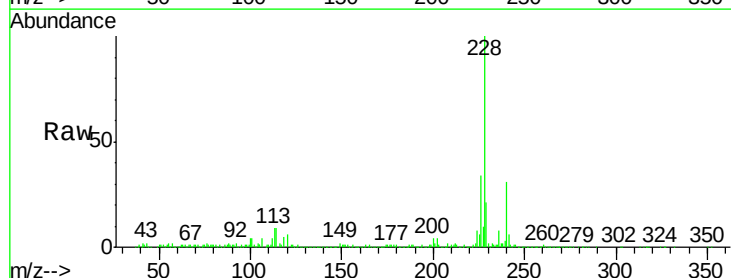
RT: 13.76 min Scan# 1065

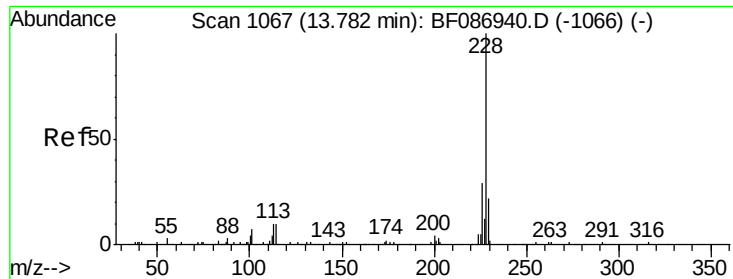
Delta R.T. 0.00 min

Lab File: BF086950.D

Acq: 13 May 2016 00:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 743933 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 34.2  | 22.5  | 33.7#  |
| 229       | 21.0  | 16.6  | 25.0   |





#82

Chrysene

Concen: 42.51 ng m

RT: 13.79 min Scan# 1068

Delta R.T. 0.00 min

Lab File: BF086950.D

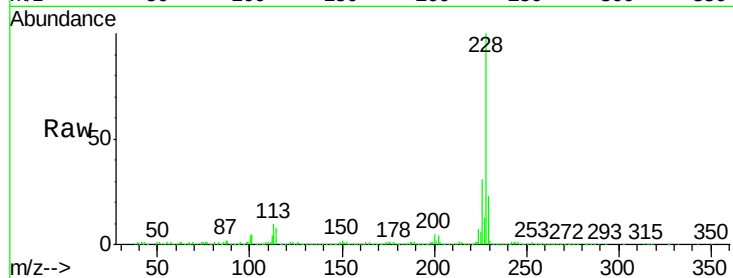
Acq: 13 May 2016 00:47

Instrument :

BNA\_F

ClientSampleId :

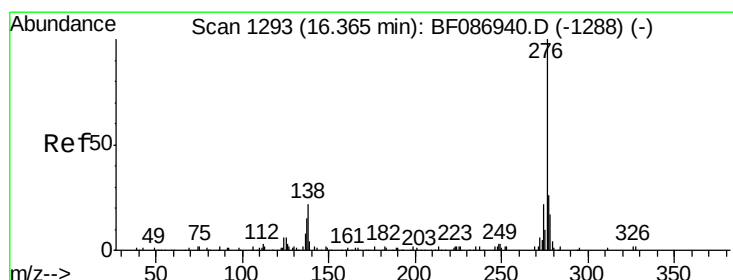
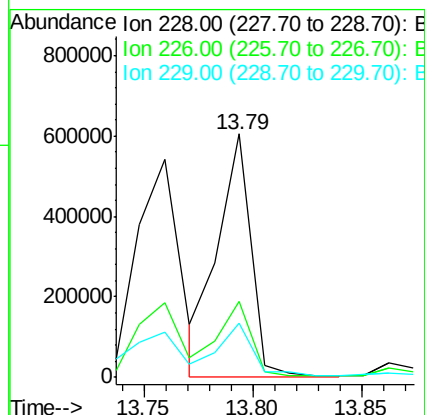
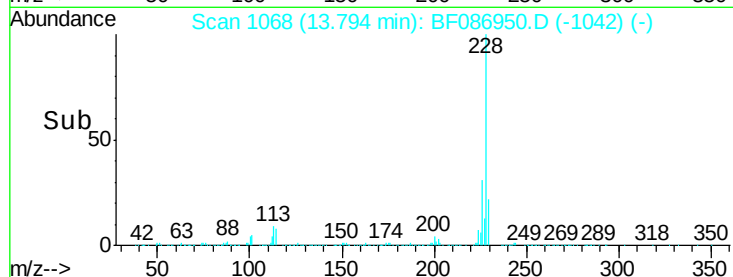
CH-STA-1720-00(0-2)



| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 228     | 100   | 643775 |       |       |
| 226     | 31.4  | 24.4   | 36.6  |       |
| 229     | 22.5  | 15.8   | 23.8  |       |

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#85

Indeno(1,2,3-cd)pyrene

Concen: 23.26 ng

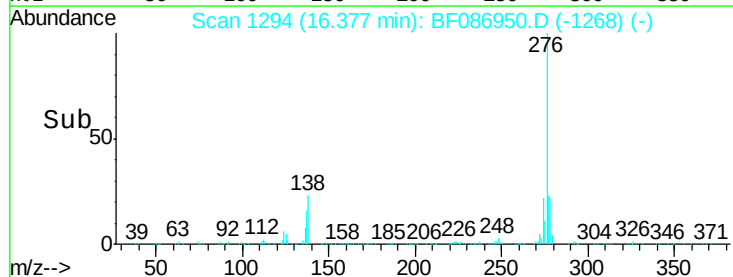
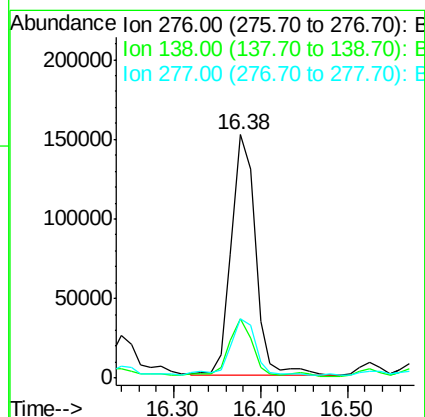
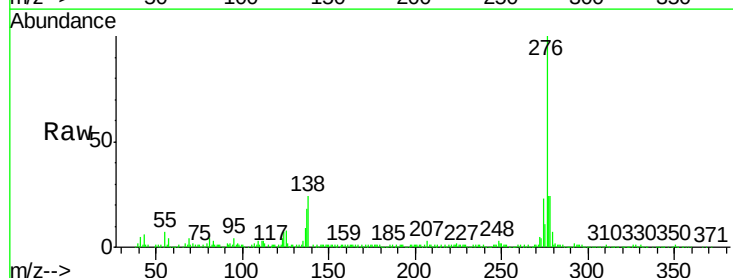
RT: 16.38 min Scan# 1294

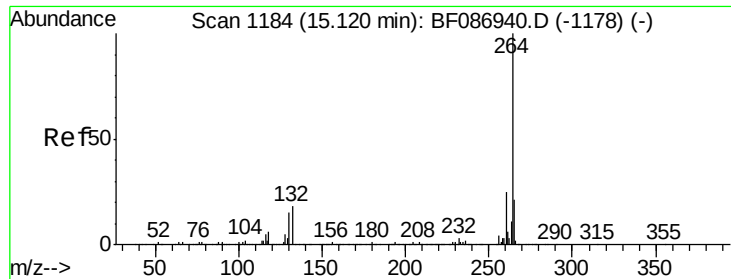
Delta R.T. 0.00 min

Lab File: BF086950.D

Acq: 13 May 2016 00:47

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 276     | 100   | 293133 |       |       |
| 138     | 22.6  | 25.6   | 38.4# |       |
| 277     | 24.5  | 20.5   | 30.7  |       |





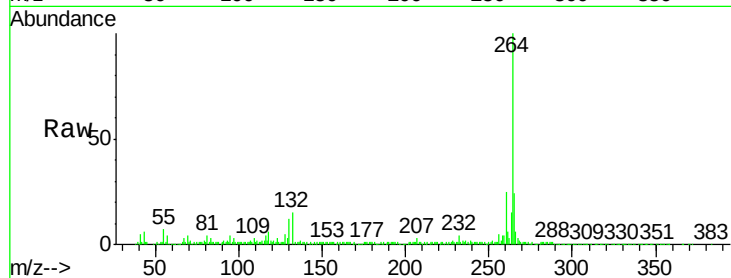
#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.13 min Scan# 1185  
 Delta R.T. 0.01 min  
 Lab File: BF086950.D  
 Acq: 13 May 2016 00:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CH-STA-1720-00(0-2)

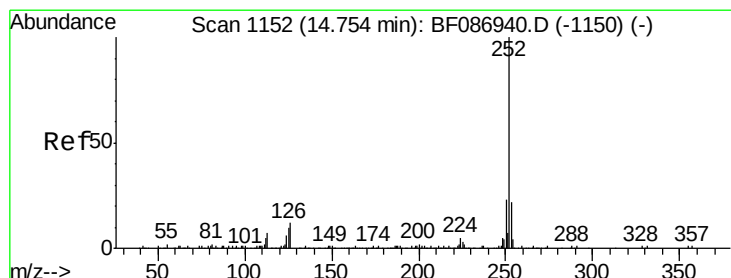
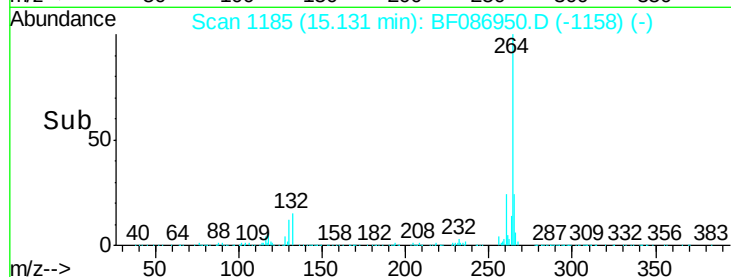
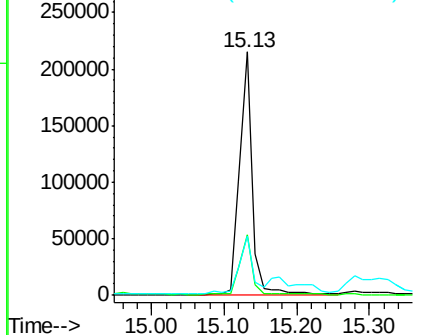
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 264     | 100   | 257693 |       |       |
| 260     | 24.9  | 19.5   | 29.3  |       |
| 265     | 24.4  | 17.3   | 25.9  |       |

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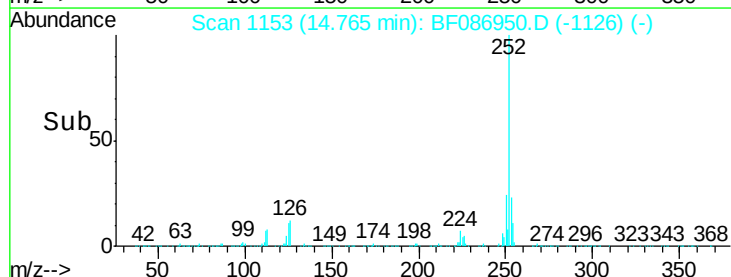
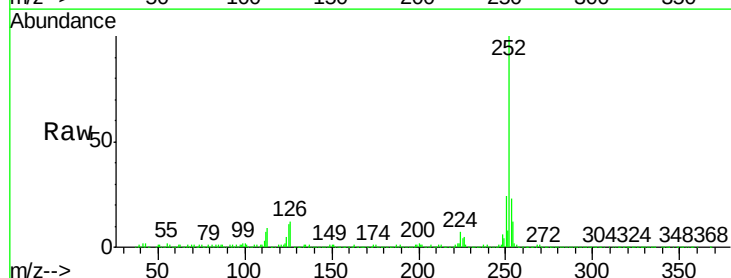
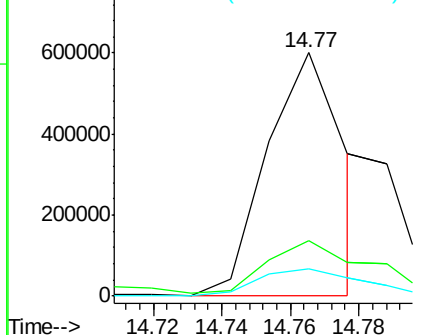
Abundance Ion 264.00 (263.70 to 264.70): E  
 Ion 260.00 (259.70 to 260.70): E  
 Ion 265.00 (264.70 to 265.70): E

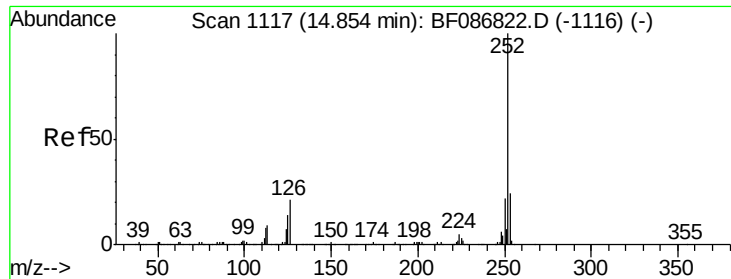


#87  
 Benzo(b)fluoranthene  
 Concen: 56.44 ng m  
 RT: 14.77 min Scan# 1153  
 Delta R.T. 0.01 min  
 Lab File: BF086950.D  
 Acq: 13 May 2016 00:47

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 945320 |       |       |
| 253     | 23.0  | 17.8   | 26.6  |       |
| 125     | 11.4  | 11.4   | 17.0  |       |

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





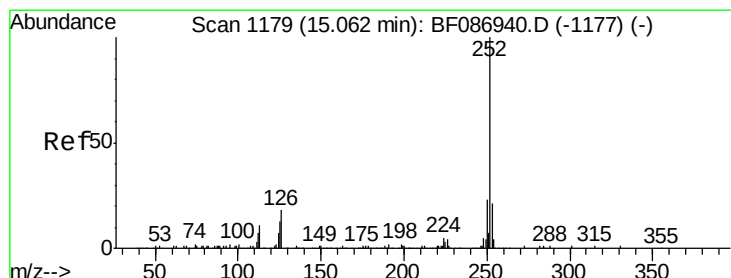
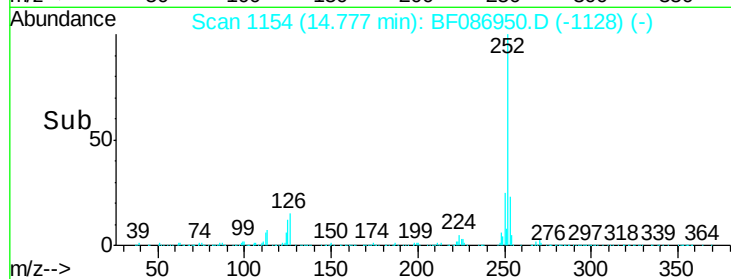
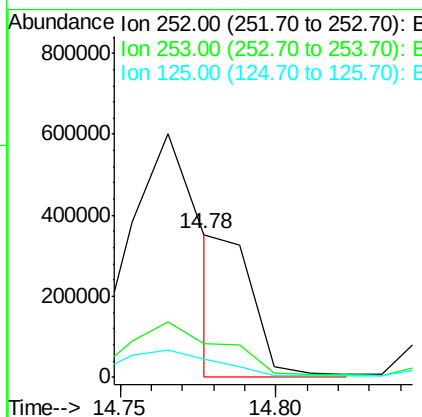
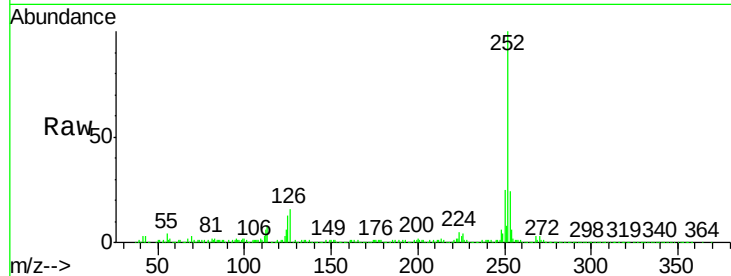
#88  
Benzo(k)fluoranthene  
Concen: 18.40 ng m  
RT: 14.78 min Scan# 1154  
Delta R.T. 0.00 min  
Lab File: BF086950.D  
Acq: 13 May 2016 00:47

Instrument :  
BNA\_F  
ClientSampleId :  
CH-STA-1720-00(0-2)

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 252280 |       |       |
| 253     | 23.6  | 17.8   | 26.6  |       |
| 125     | 12.5  | 9.1    | 13.7  |       |

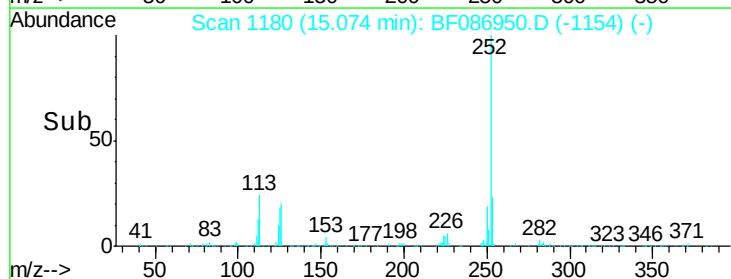
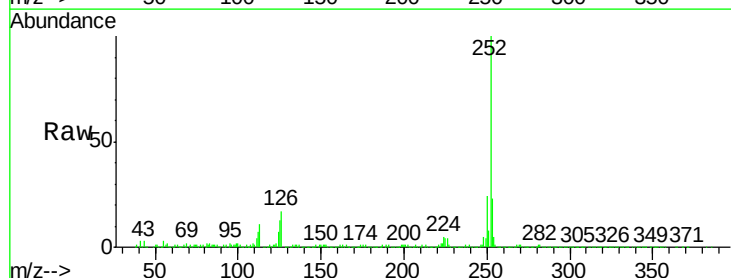
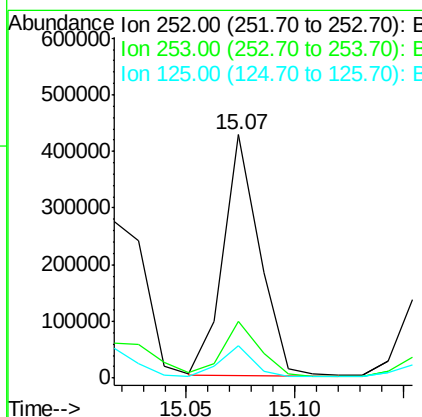
Manual Integrations  
APPROVED

sohil  
5/13/2016 8:07:48 PM

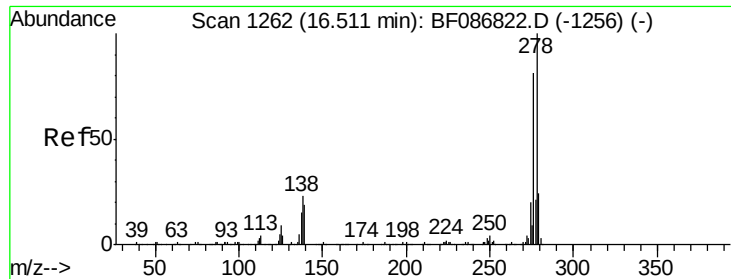


#89  
Benzo(a)pyrene  
Concen: 34.03 ng  
RT: 15.07 min Scan# 1180  
Delta R.T. 0.00 min  
Lab File: BF086950.D  
Acq: 13 May 2016 00:47

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 491513 |       |       |
| 253     | 23.5  | 17.2   | 25.8  |       |
| 125     | 13.4  | 9.0    | 13.6  |       |







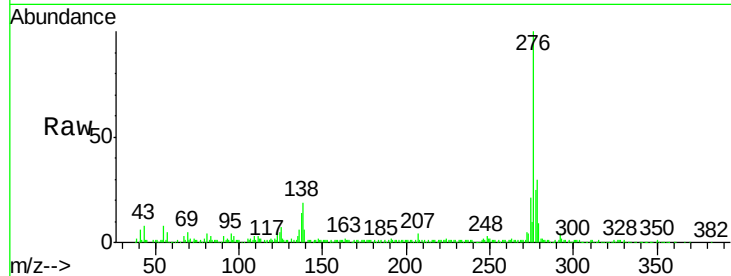
#90  
Dibenzo(a,h)anthracene  
Concen: 7.35 ng  
RT: 16.39 min Scan# 1295  
Delta R.T. 0.00 min  
Lab File: BF086950.D  
Acq: 13 May 2016 00:47

Instrument :  
BNA\_F  
ClientSampleId :  
CH-STA-1720-00(0-2)

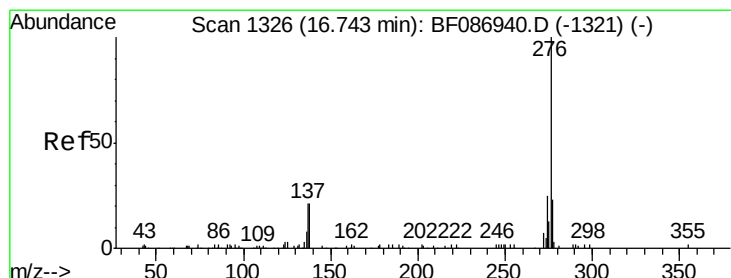
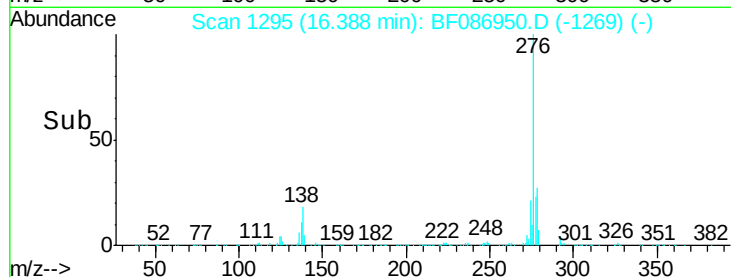
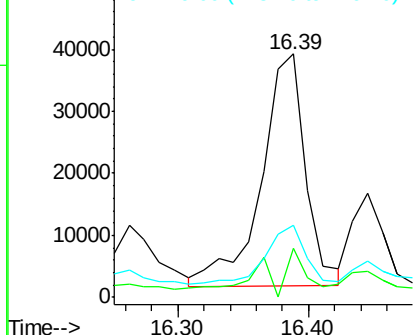
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 19.9  | 16.6  | 24.8  |
| 279     | 29.4  | 19.6  | 29.4  |

Manual Integrations  
APPROVED

sohil  
5/13/2016 8:07:48 PM

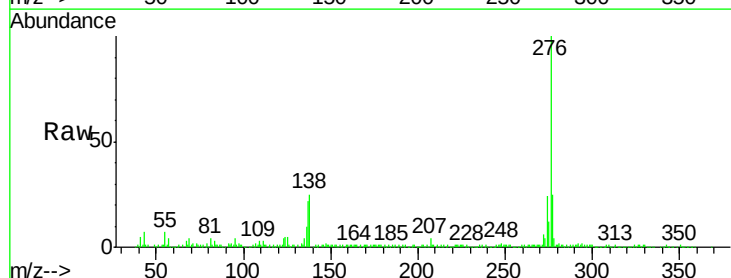


Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E



#91  
Benzo(g,h,i)perylene  
Concen: 19.50 ng  
RT: 16.75 min Scan# 1327  
Delta R.T. 0.00 min  
Lab File: BF086950.D  
Acq: 13 May 2016 00:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.6  | 19.6  | 29.4  |
| 138     | 24.5  | 23.6  | 35.4  |



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

