

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081716\  
 Data File : BF089781.D  
 Acq On : 17 Aug 2016 23:26  
 Operator : UM/SJ  
 Sample : H4490-12  
 Misc :  
 ALS Vial : 52 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 670-UNDERCLIFF-6

Manual Integrations  
 APPROVED

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 8/18/2016 5:59:29 PM

Quant Time: Aug 18 15:58:17 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081616.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 16 19:45:04 2016  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.70  | 152  | 555128   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8             | 7.99  | 136  | 2130593  | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.74  | 164  | 1025030  | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.21 | 188  | 1706076  | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12               | 13.86 | 240  | 1207456  | 20.00 | ng    | -0.03    |
| 86) Perylene-d12               | 15.30 | 264  | 1177551  | 20.00 | ng    | -0.10    |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 5.28  | 112  | 2883428  | 86.66 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.33  | 99   | 3598179  | 85.02 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.27  | 82   | 2458577  | 70.46 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.52 | 330  | 937156   | 94.51 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.06  | 172  | 4016646  | 62.88 | ng    | -0.01    |
| 78) Terphenyl-d14              | 12.80 | 244  | 2849399  | 70.50 | ng    | -0.01    |
| Target Compounds               |       |      |          |       |       | Qvalue   |
| 48) Acenaphthylene             | 9.60  | 152  | 256155   | 2.62  | ng    | 97       |
| 49) Dimethylphthalate          | 9.46  | 163  | 2383854  | 32.14 | ng    | 99       |
| 70) Phenanthrene               | 11.23 | 178  | 345369   | 4.12  | ng    | 99       |
| 71) Anthracene                 | 11.28 | 178  | 217226   | 2.48  | ng    | 98       |
| 74) Fluoranthene               | 12.42 | 202  | 1250900  | 14.85 | ng    | 97       |
| 77) Pyrene                     | 12.64 | 202  | 1747147  | 22.11 | ng    | 98       |
| 80) Benzo(a)anthracene         | 13.85 | 228  | 930768   | 13.27 | ng    | 94       |
| 82) Chrysene                   | 13.89 | 228  | 1000818  | 15.85 | ng    | 97       |
| 83) Bis(2-ethylhexyl)phthalate | 13.87 | 149  | 211227   | 4.03  | ng    | # 98     |
| 85) Indeno(1,2,3-cd)pyrene     | 16.59 | 276  | 439453   | 8.17  | ng    | 94       |
| 87) Benzo(b)fluoranthene       | 14.93 | 252  | 849729m  | 11.39 | ng    |          |
| 88) Benzo(k)fluoranthene       | 14.95 | 252  | 303025m  | 4.93  | ng    |          |
| 89) Benzo(a)pyrene             | 15.25 | 252  | 707554   | 11.49 | ng    | 98       |
| 90) Dibenzo(a,h)anthracene     | 16.61 | 278  | 118050m  | 2.43  | ng    |          |
| 91) Benzo(a,h,i)perylene       | 16.98 | 276  | 473211   | 9.59  | ng    | 95       |

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

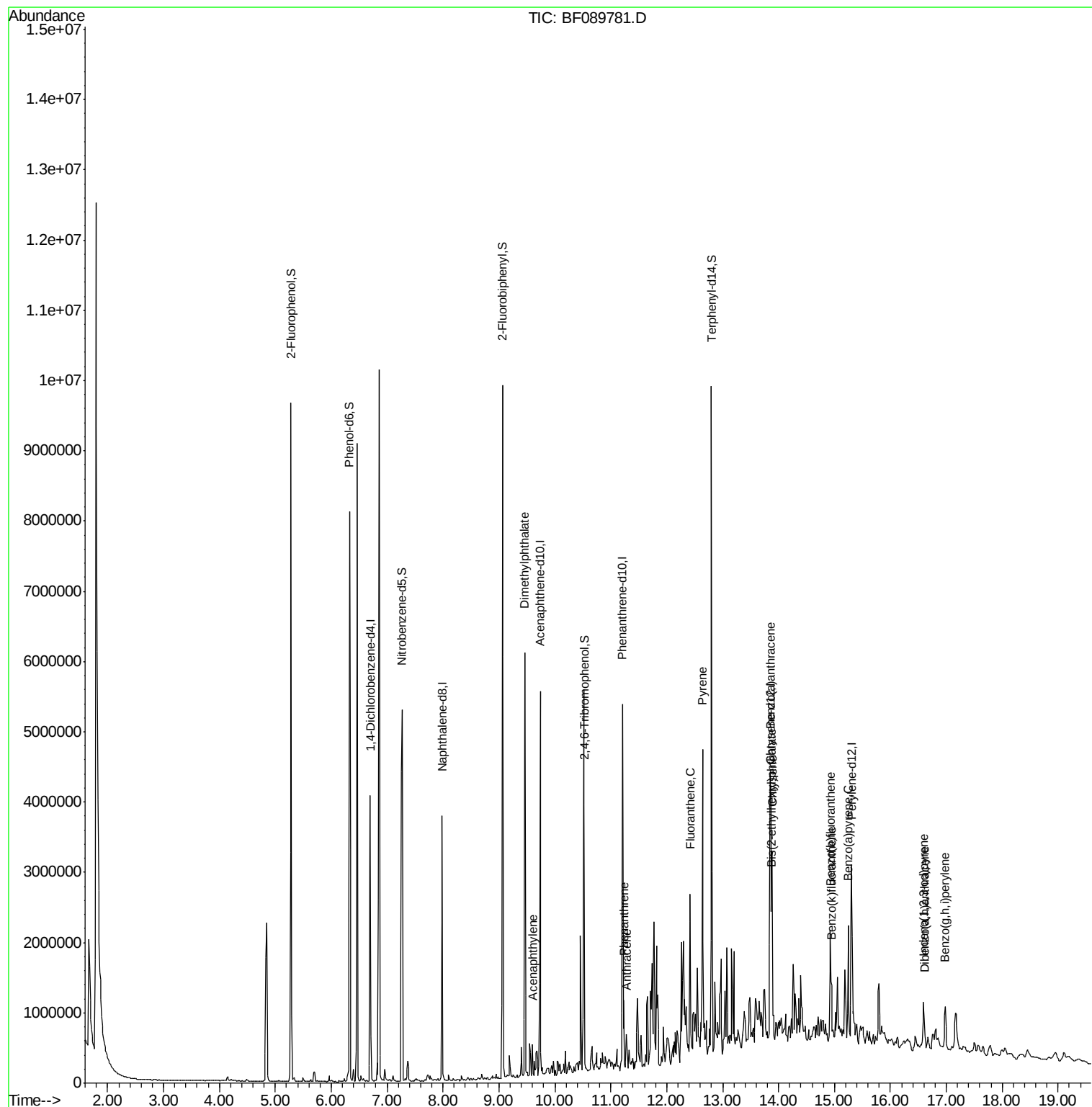
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081716\  
Data File : BF089781.D  
Acq On : 17 Aug 2016 23:26  
Operator : UM/SJ  
Sample : H4490-12  
Misc :  
ALS Vial : 52 Sample Multiplier: 1

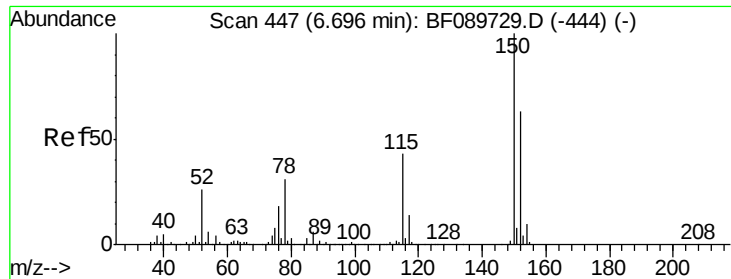
Instrument :  
BNA\_F  
ClientSampleId :  
670-UNDERCLIFF-6

Manual Integrations  
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Quant Time: Aug 18 15:58:17 2016  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081616.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Aug 16 19:45:04 2016  
Response via : Initial Calibration





#1

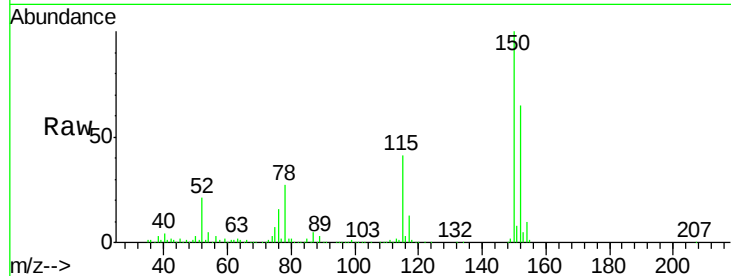
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.70 min Scan# 447  
Delta R.T. 0.00 min  
Lab File: BF089781.D  
Acq: 17 Aug 2016 23:26

Instrument :  
BNA\_F  
ClientSampleId :  
670-UNDERCLIFF-6

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.0 | 125.3 | 187.9 |
| 115     | 62.4  | 40.9  | 61.3  |

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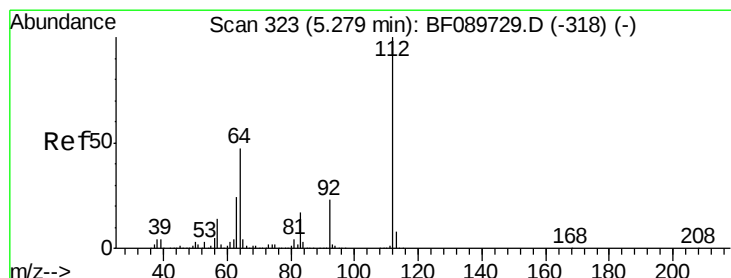
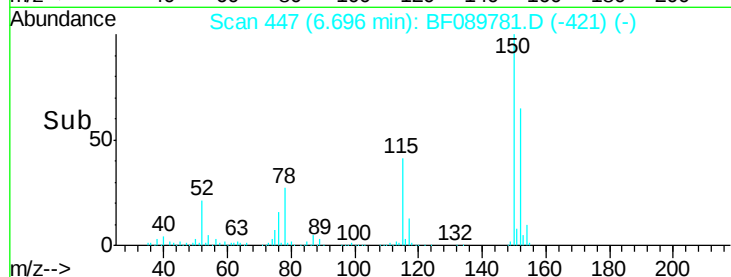
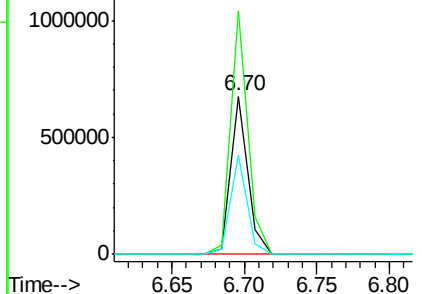


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

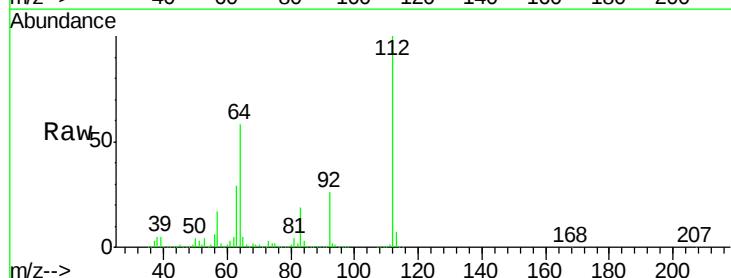
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 86.66 ng  
RT: 5.28 min Scan# 323  
Delta R.T. 0.00 min  
Lab File: BF089781.D  
Acq: 17 Aug 2016 23:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 57.7  | 45.0  | 67.4  |
| 63      | 29.4  | 23.1  | 34.7  |

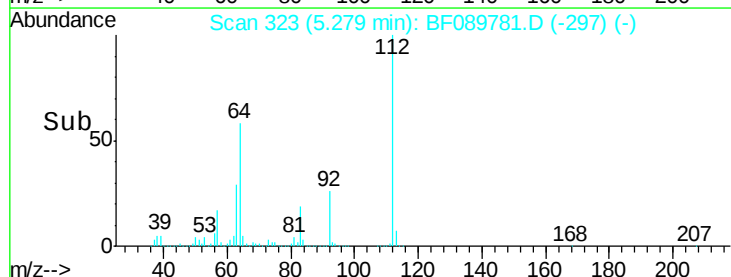
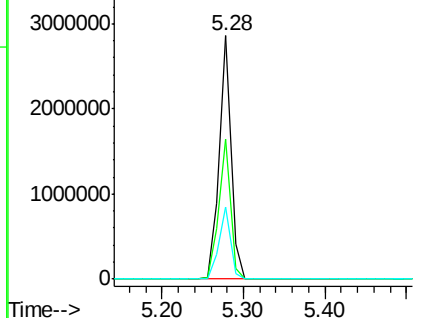


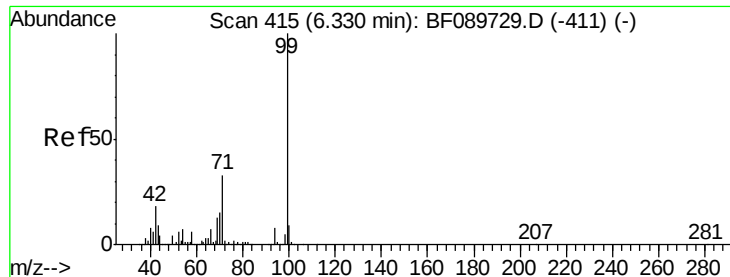
Abundance

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: 85.02 ng

RT: 6.33 min Scan# 415

Delta R.T. 0.00 min

Lab File: BF089781.D

Acq: 17 Aug 2016 23:26

Instrument :

BNA\_F

ClientSampleId :

670-UNDERCLIFF-6

Tot Ion: 99 Resp: 3598179

Ion Ratio Lower Upper

99 100

42 16.4 12.2 18.4

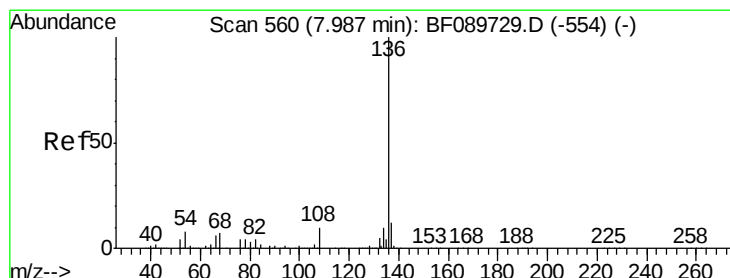
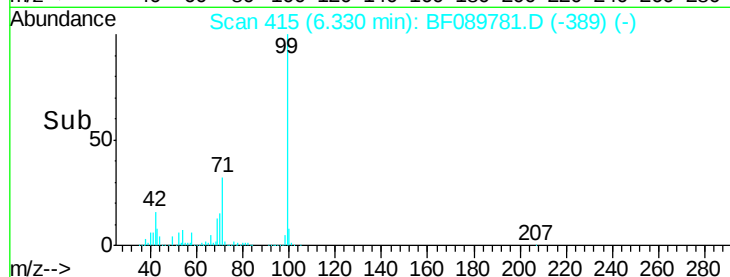
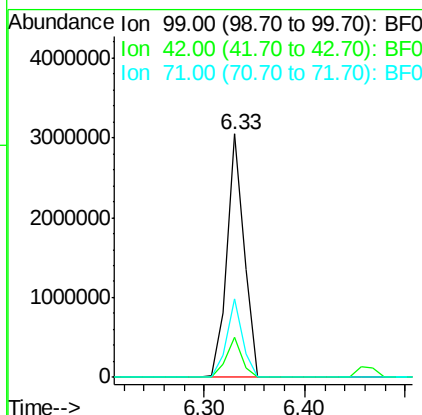
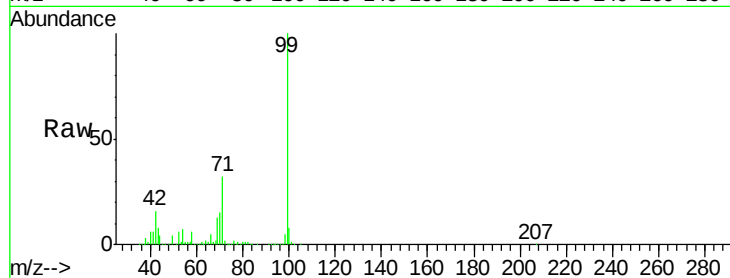
71 32.2 23.8 35.8

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.99 min Scan# 560

Delta R.T. 0.00 min

Lab File: BF089781.D

Acq: 17 Aug 2016 23:26

Tgt Ion: 136 Resp: 2130593

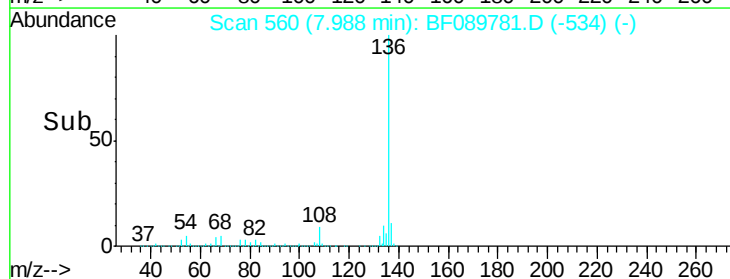
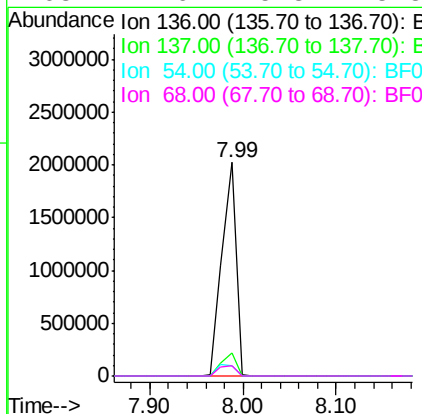
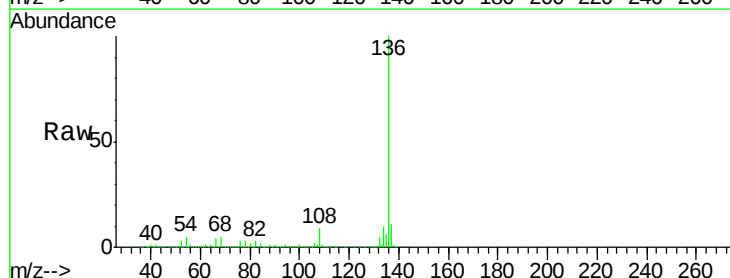
Ion Ratio Lower Upper

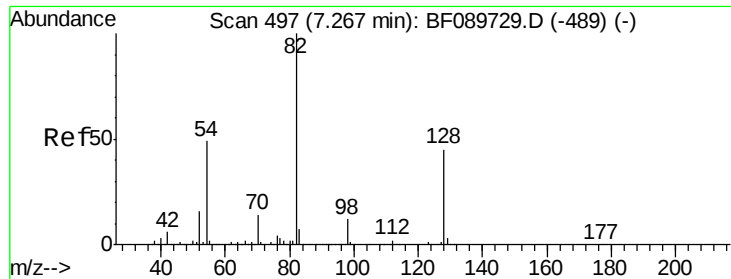
136 100

137 11.1 9.2 13.8

54 4.9 7.2 10.8#

68 4.6 5.8 8.8#





#23

Nitrobenzene-d5

Concen: 70.46 ng

RT: 7.27 min Scan# 497

Delta R.T. 0.00 min

Lab File: BF089781.D

Acq: 17 Aug 2016 23:26

Instrument :

BNA\_F

ClientSampleId :

670-UNDERCLIFF-6

Tot Ion: 82 Resp: 2458577

Ion Ratio Lower Upper

82 100

128 57.0 34.4 51.6#

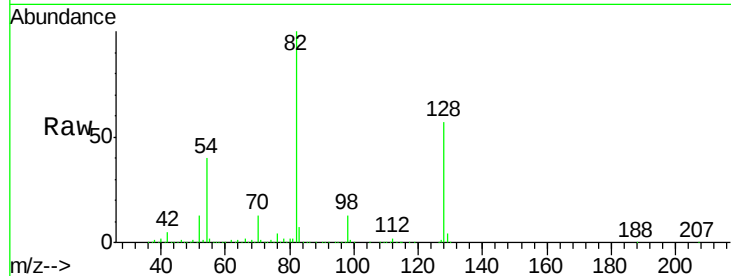
54 40.1 40.3 60.5#

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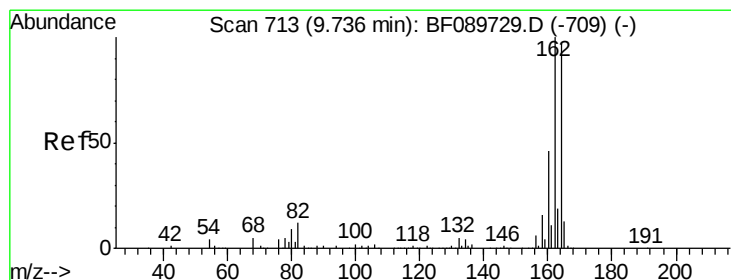
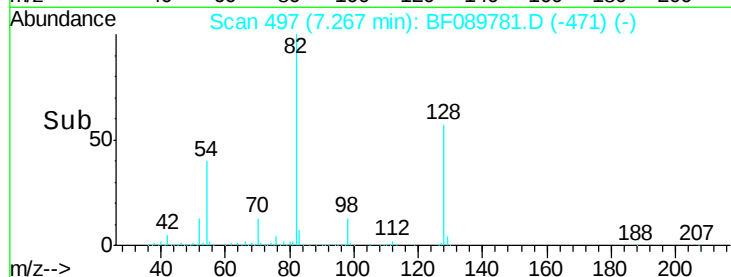
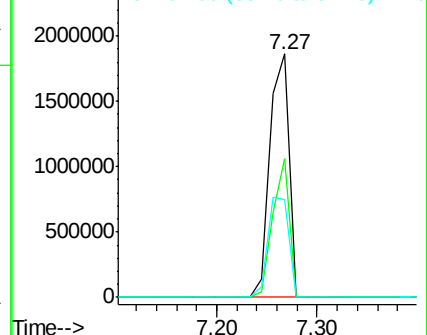
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Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.74 min Scan# 713

Delta R.T. 0.00 min

Lab File: BF089781.D

Acq: 17 Aug 2016 23:26

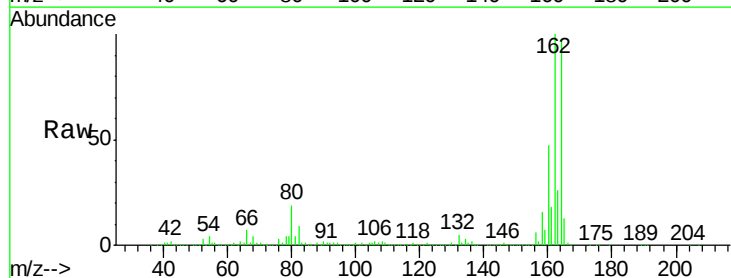
Tgt Ion:164 Resp: 1025030

Ion Ratio Lower Upper

164 100

162 103.2 81.4 122.2

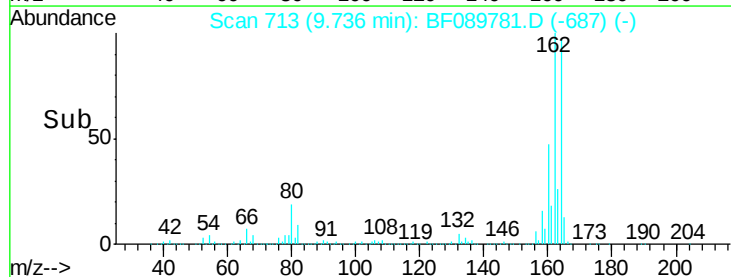
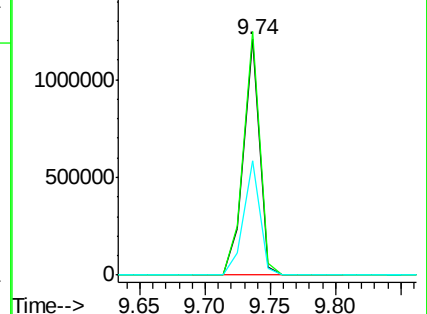
160 48.5 37.8 56.6

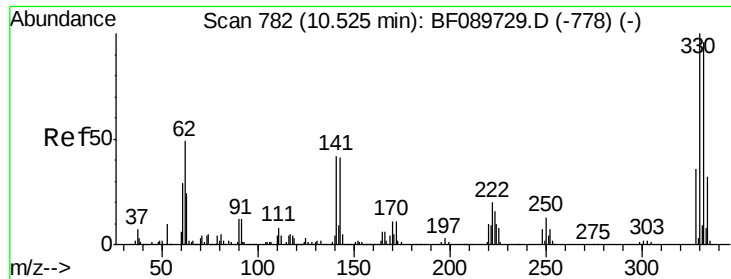


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





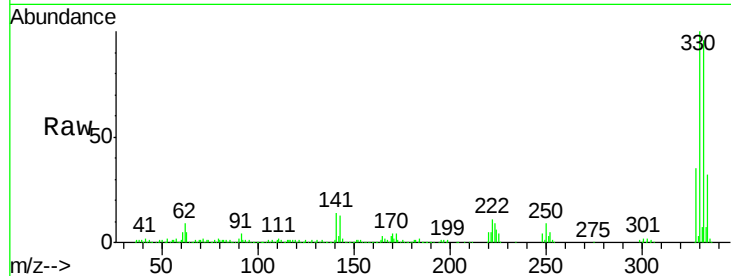
#41  
 2,4,6-Tribromophenol  
 Concen: 94.51 ng  
 RT: 10.52 min Scan# 782  
 Delta R.T. 0.00 min  
 Lab File: BF089781.D  
 Acq: 17 Aug 2016 23:26

Instrument :  
 BNA\_F  
 ClientSampleId :  
 670-UNDERCLIFF-6

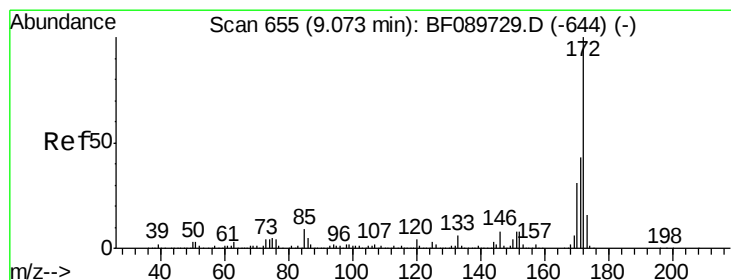
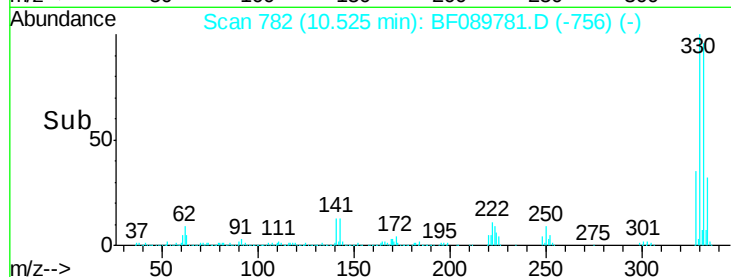
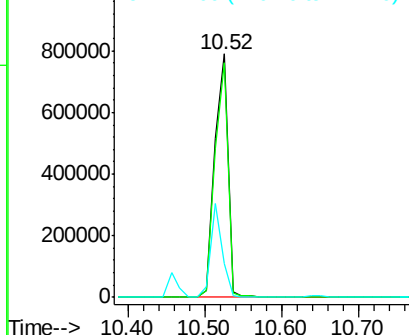
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 937156 |       |       |
| 332     | 95.5  | 76.7   | 115.1 |       |
| 141     | 33.2  | 30.2   | 45.2  |       |

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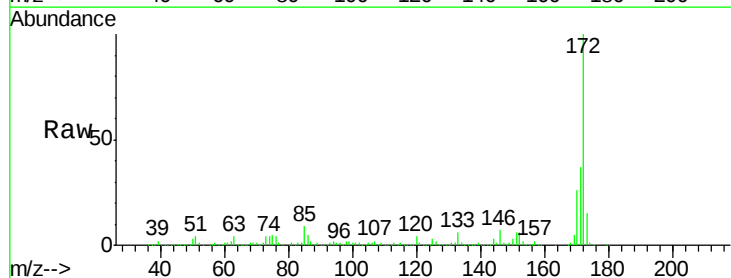


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

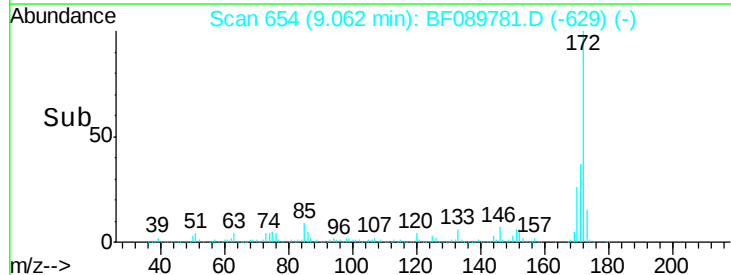
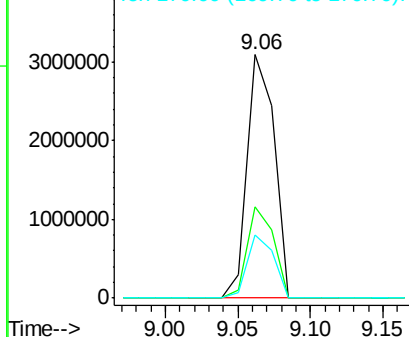


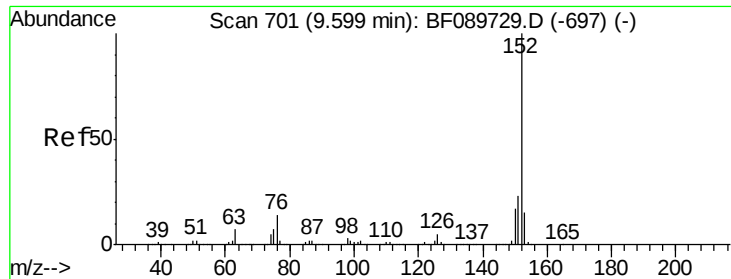
#44  
 2-Fluorobiphenyl  
 Concen: 62.88 ng  
 RT: 9.06 min Scan# 654  
 Delta R.T. -0.01 min  
 Lab File: BF089781.D  
 Acq: 17 Aug 2016 23:26

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 172     | 100   | 4016646 |       |       |
| 171     | 37.3  | 30.5    | 45.7  |       |
| 170     | 26.1  | 20.6    | 31.0  |       |



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: 2.62 ng

RT: 9.60 min Scan# 701

Delta R.T. 0.00 min

Lab File: BF089781.D

Acq: 17 Aug 2016 23:26

Instrument :

BNA\_F

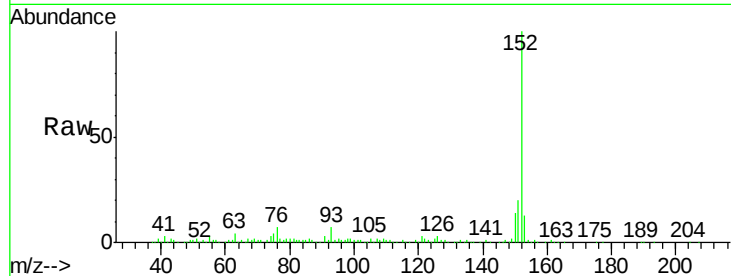
ClientSampleId :

670-UNDERCLIFF-6

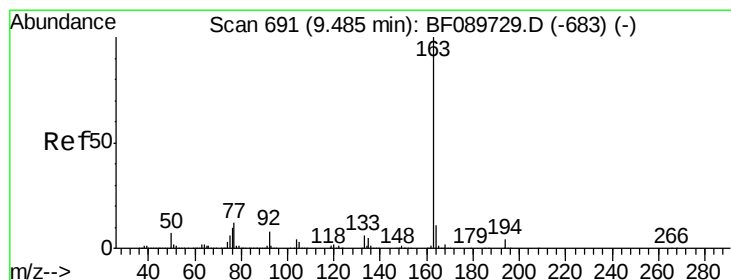
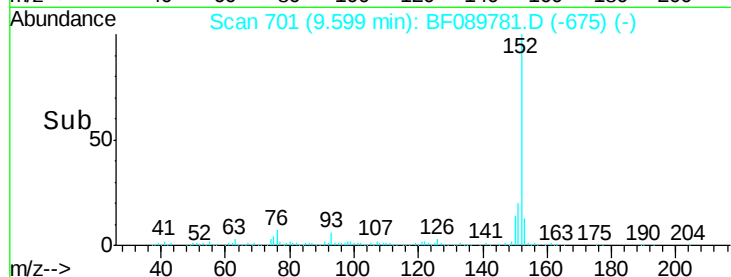
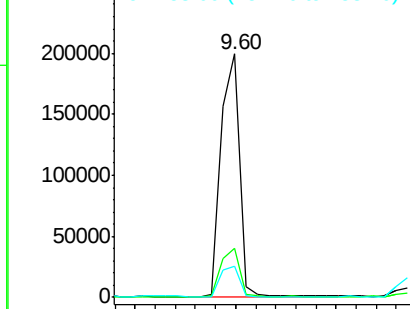
| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 152     | 100  |       | 256155 |       |       |
| 151     | 20.1 |       | 17.1   | 25.7  |       |
| 153     | 13.0 |       | 11.2   | 16.8  |       |

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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



#49

Dimethylphthalate

Concen: 32.14 ng

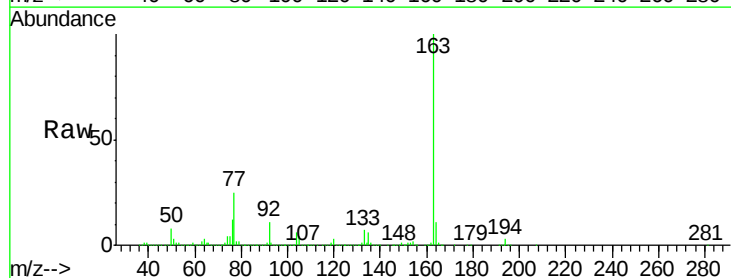
RT: 9.46 min Scan# 689

Delta R.T. -0.02 min

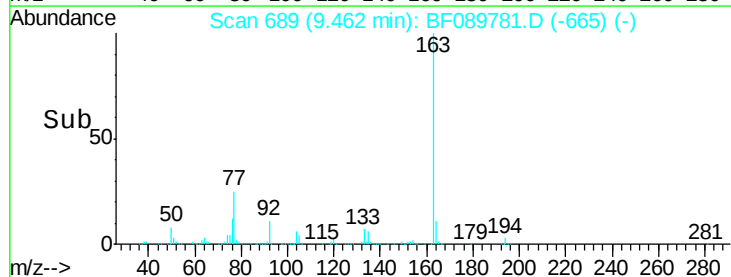
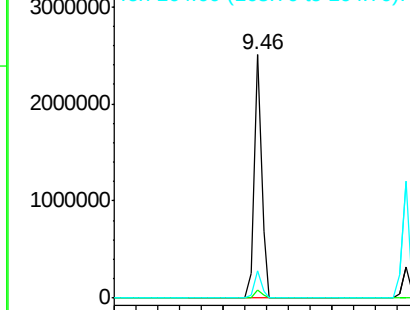
Lab File: BF089781.D

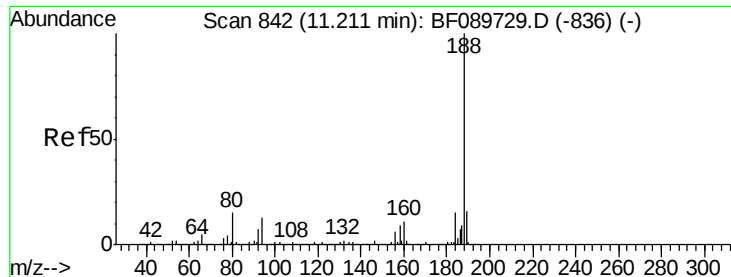
Acq: 17 Aug 2016 23:26

| Tgt Ion | Ion  | Ratio | Resp    | Lower | Upper |
|---------|------|-------|---------|-------|-------|
| 163     | 100  |       | 2383854 |       |       |
| 194     | 3.3  |       | 2.6     | 3.8   |       |
| 164     | 11.3 |       | 8.6     | 12.8  |       |



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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.21 min Scan# 842

Delta R.T. 0.00 min

Lab File: BF089781.D

Acq: 17 Aug 2016 23:26

Instrument :

BNA\_F

ClientSampleId :

670-UNDERCLIFF-6

Tot Ion:188 Resp: 1706076

Ion Ratio Lower Upper

188 100

94 10.7 10.2 15.2

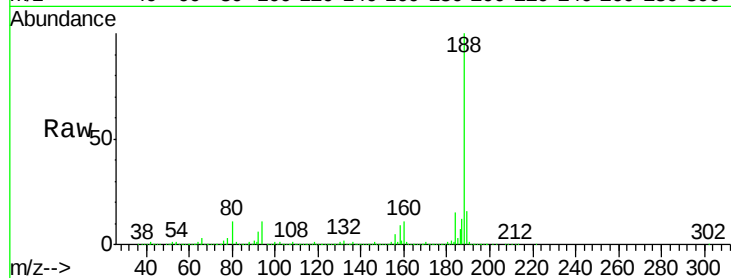
80 10.9 10.9 16.3

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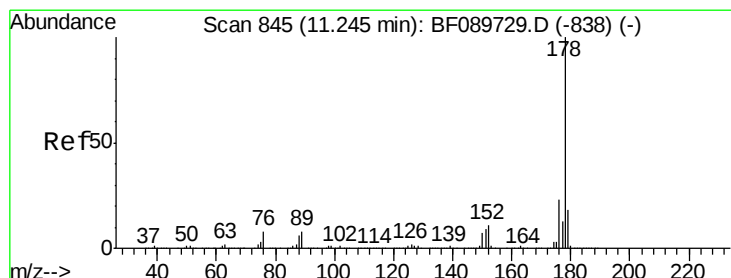
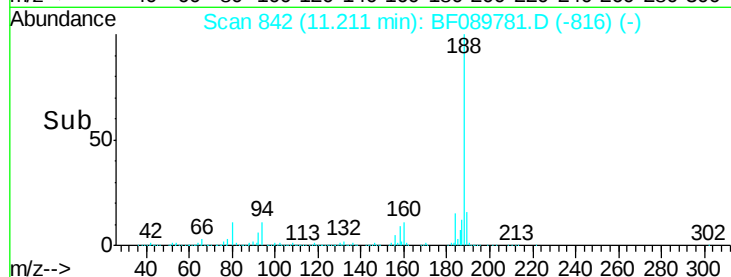
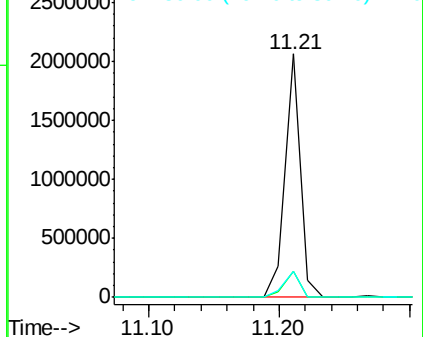
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 4.12 ng

RT: 11.23 min Scan# 844

Delta R.T. -0.01 min

Lab File: BF089781.D

Acq: 17 Aug 2016 23:26

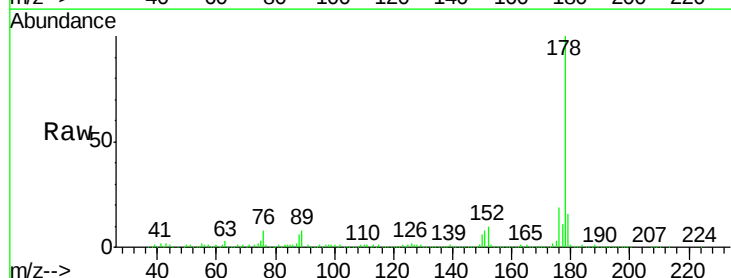
Tgt Ion:178 Resp: 345369

Ion Ratio Lower Upper

178 100

176 19.5 16.4 24.6

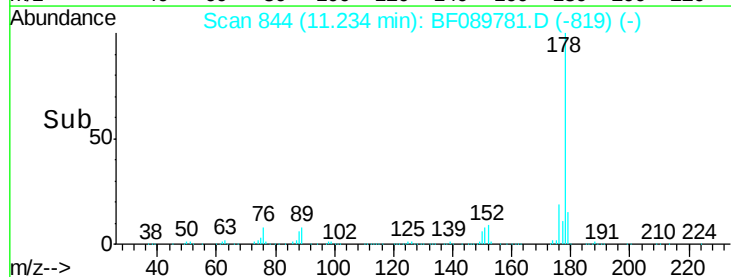
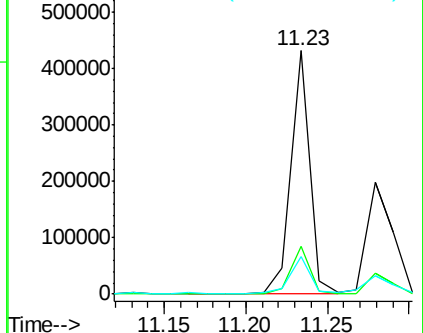
179 15.7 12.5 18.7

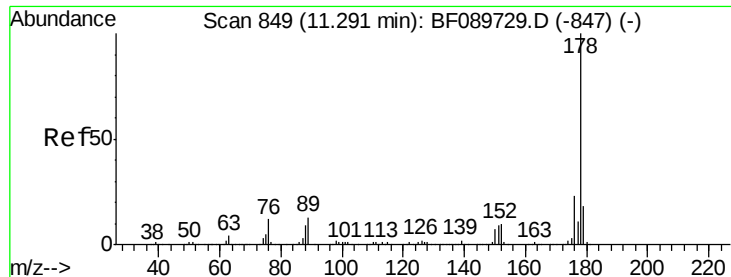


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





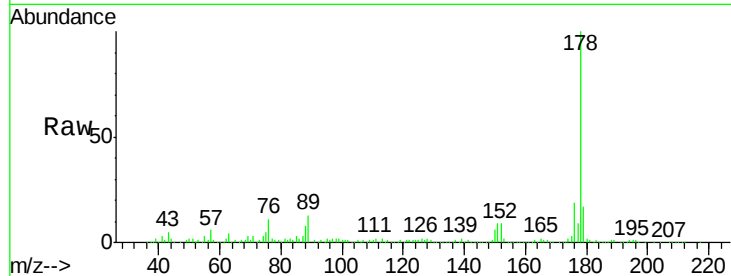
#71  
 Anthracene  
 Concen: 2.48 ng  
 RT: 11.28 min Scan# 848  
 Delta R.T. -0.01 min  
 Lab File: BF089781.D  
 Acq: 17 Aug 2016 23:26

Instrument :  
 BNA\_F  
 ClientSampleId :  
 670-UNDERCLIFF-6

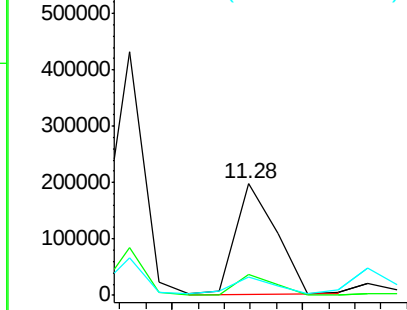
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.3  | 16.4  | 24.6  |
| 179     | 16.7  | 13.1  | 19.7  |

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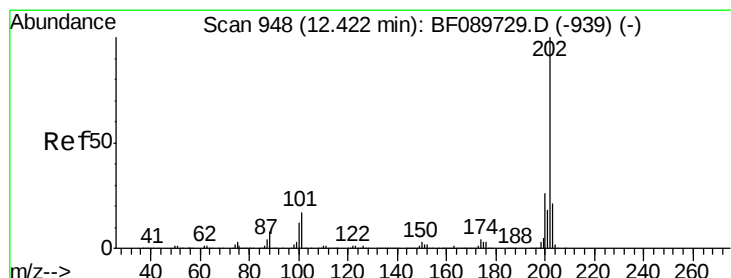
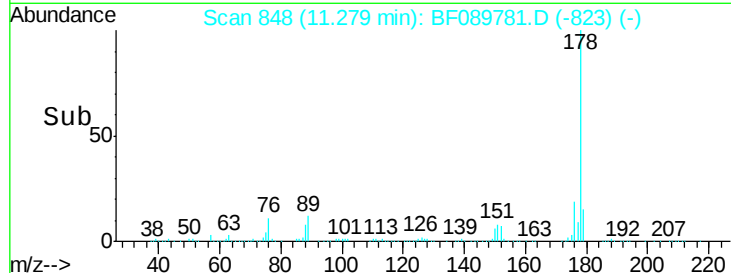
sohil  
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Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E

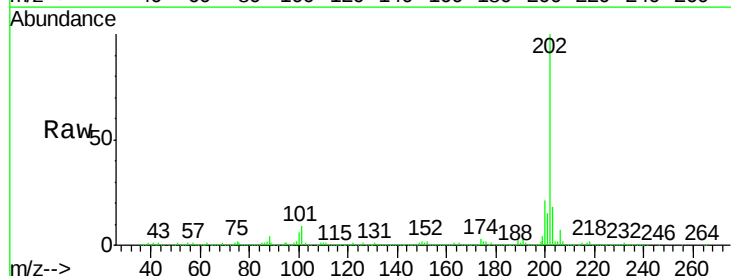


Time-->

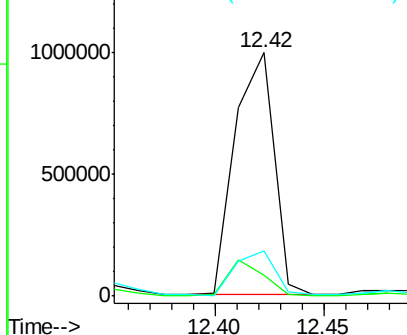


#74  
 Fluoranthene  
 Concen: 14.85 ng  
 RT: 12.42 min Scan# 948  
 Delta R.T. 0.00 min  
 Lab File: BF089781.D  
 Acq: 17 Aug 2016 23:26

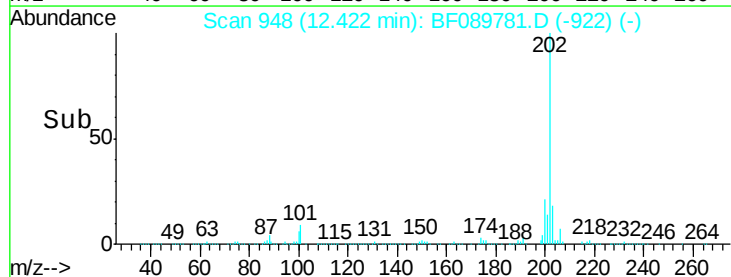
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 8.7   | 0.0   | 31.2  |
| 203     | 18.4  | 0.0   | 38.1  |

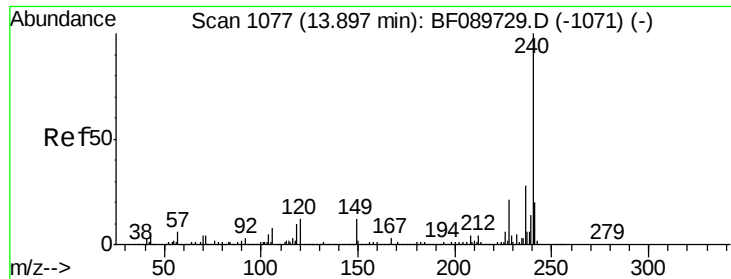


Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 101.00 (100.70 to 101.70): E  
 Ion 203.00 (202.70 to 203.70): E



Time-->





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.86 min Scan# 1074

Delta R.T. -0.03 min

Lab File: BF089781.D

Acq: 17 Aug 2016 23:26

Instrument :

BNA\_F

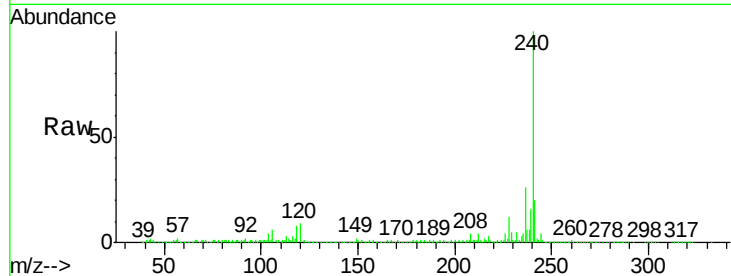
ClientSampleId :

670-UNDERCLIFF-6

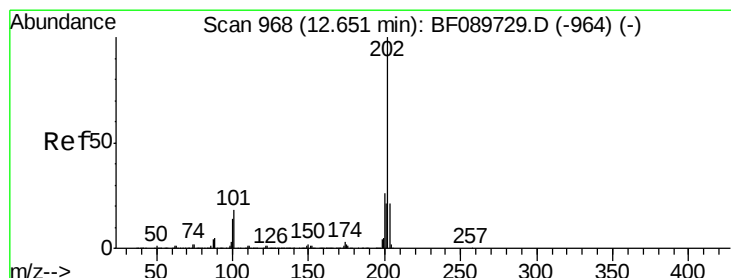
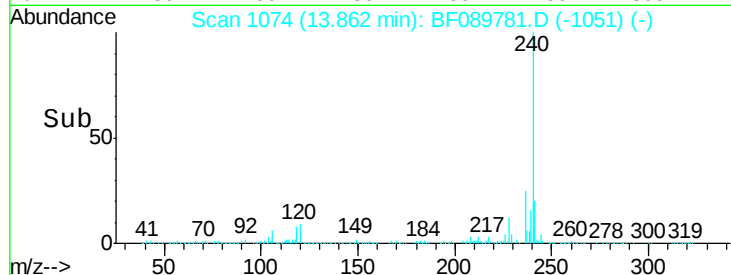
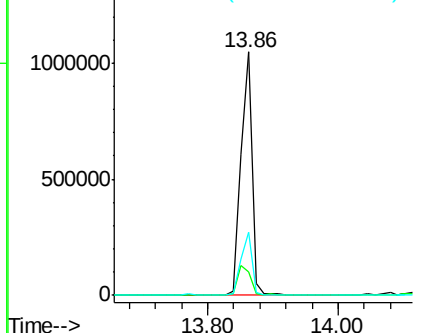
|           |       |       |         |
|-----------|-------|-------|---------|
| Tot Ion:  | 240   | Resp: | 1207456 |
| Ion Ratio | Lower | Upper |         |
| 240       | 100   |       |         |
| 120       | 9.4   | 8.3   | 12.5    |
| 236       | 25.9  | 21.3  | 31.9    |

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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: 22.11 ng

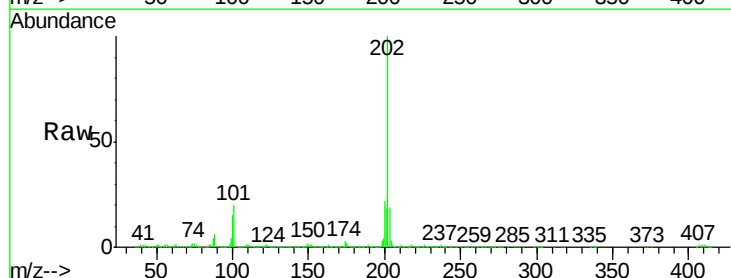
RT: 12.64 min Scan# 967

Delta R.T. -0.01 min

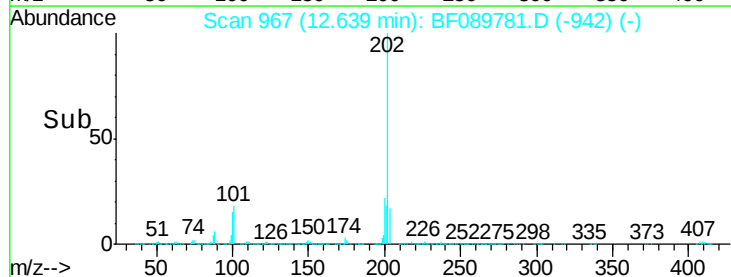
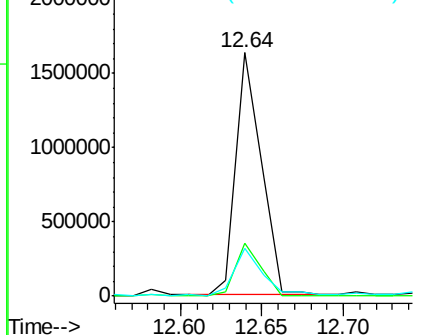
Lab File: BF089781.D

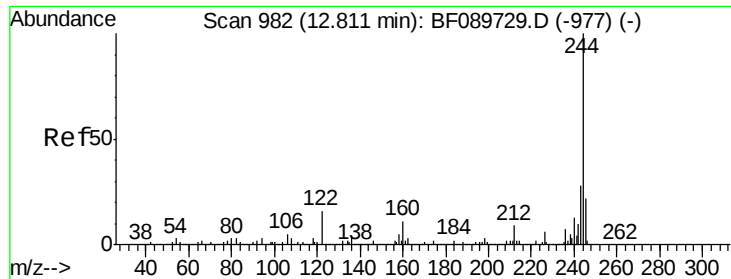
Acq: 17 Aug 2016 23:26

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 202   | Resp: | 1747147 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 200       | 21.9  | 17.8  | 26.6    |
| 203       | 19.5  | 14.2  | 21.4    |



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





#78

Terphenyl-d14

Concen: 70.50 ng

RT: 12.80 min Scan# 981

Delta R.T. -0.01 min

Lab File: BF089781.D

Acq: 17 Aug 2016 23:26

Instrument :

BNA\_F

ClientSampleId :

670-UNDERCLIFF-6

Tot Ion:244 Resp: 2849399

Ion Ratio Lower Upper

244 100

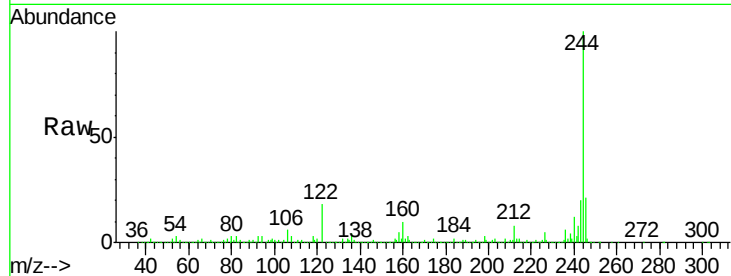
212 8.3 6.3 9.5

122 17.7 12.0 18.0

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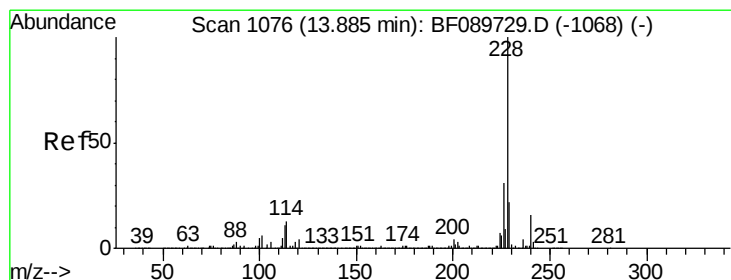
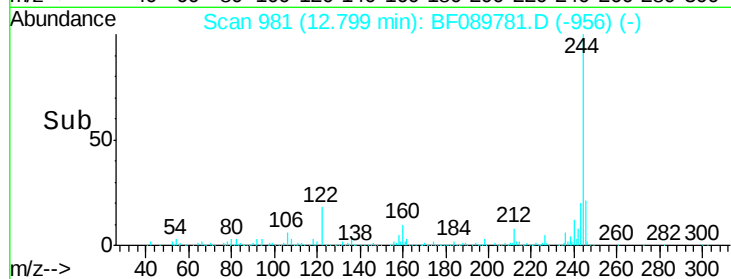
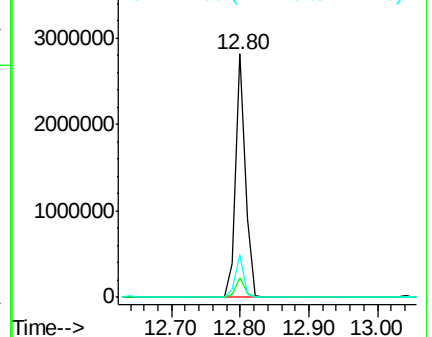
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 13.27 ng

RT: 13.85 min Scan# 1073

Delta R.T. -0.03 min

Lab File: BF089781.D

Acq: 17 Aug 2016 23:26

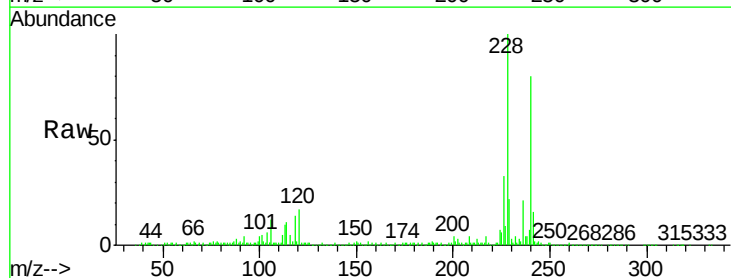
Tgt Ion:228 Resp: 930768

Ion Ratio Lower Upper

228 100

226 32.6 23.2 34.8

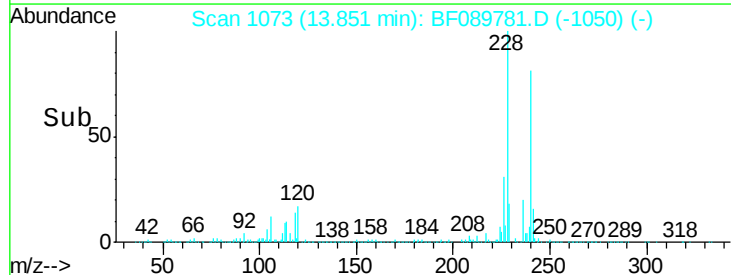
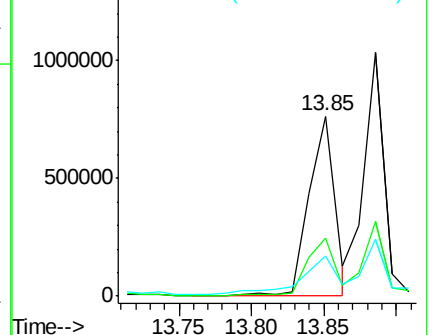
229 22.1 16.2 24.4

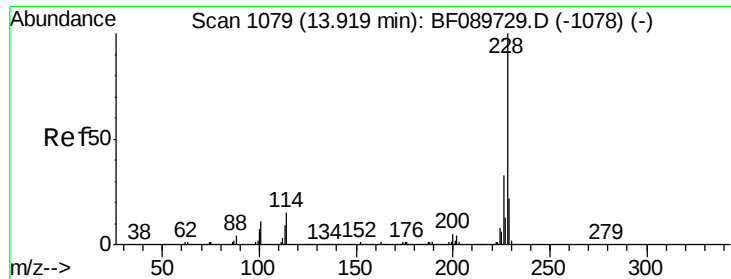


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 15.85 ng

RT: 13.89 min Scan# 1076

Delta R.T. -0.03 min

Lab File: BF089781.D

Acq: 17 Aug 2016 23:26

Instrument :

BNA\_F

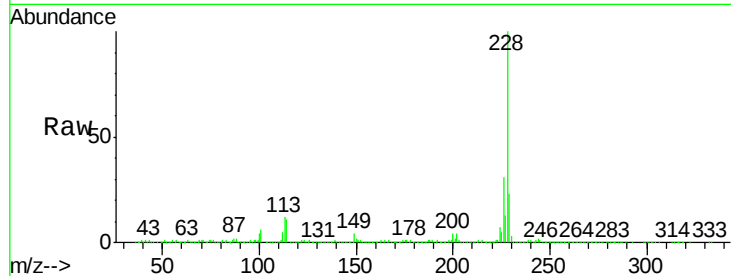
ClientSampleId :

670-UNDERCLIFF-6

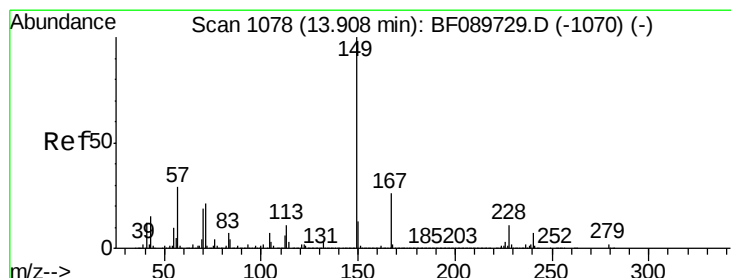
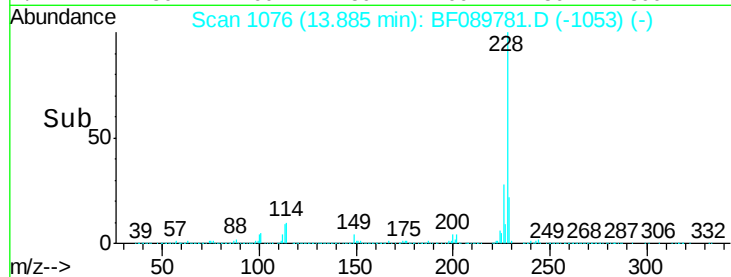
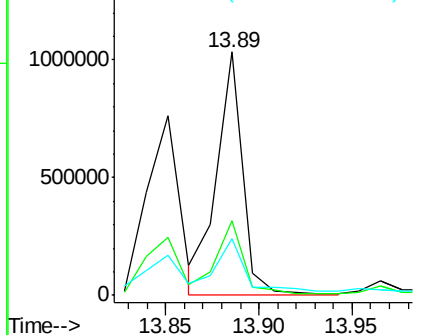
|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 228   | Resp: | 1000818 |
| Ion      | Ratio | Lower | Upper   |
| 228      | 100   |       |         |
| 226      | 30.9  | 25.4  | 38.0    |
| 229      | 23.1  | 16.5  | 24.7    |

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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



#83

Bis(2-ethylhexyl)phthalate

Concen: 4.03 ng

RT: 13.87 min Scan# 1075

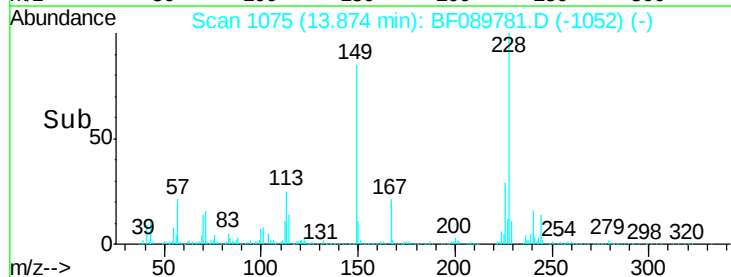
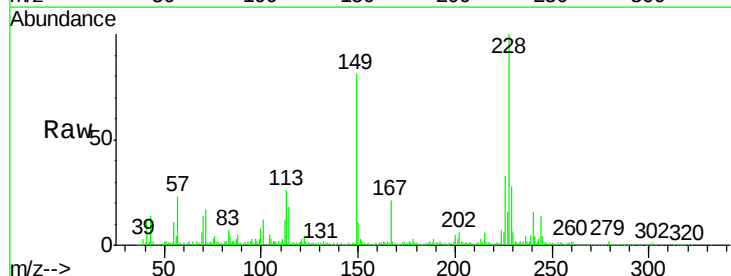
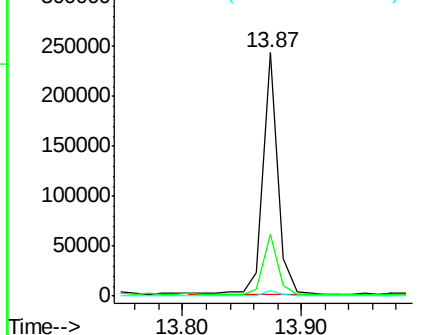
Delta R.T. -0.03 min

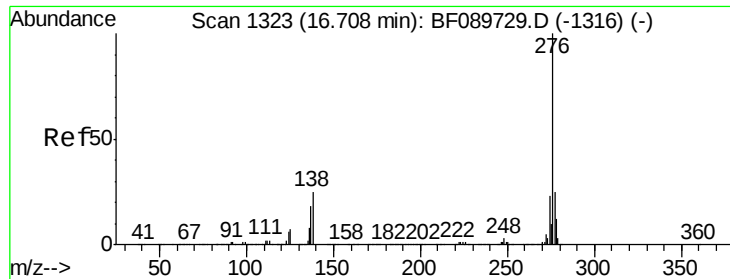
Lab File: BF089781.D

Acq: 17 Aug 2016 23:26

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 149   | Resp: | 211227 |
| Ion      | Ratio | Lower | Upper  |
| 149      | 100   |       |        |
| 167      | 25.4  | 21.2  | 31.8   |
| 279      | 2.4   | 2.9   | 4.3#   |

Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 167.00 (166.70 to 167.70): E  
Ion 279.00 (278.70 to 279.70): E





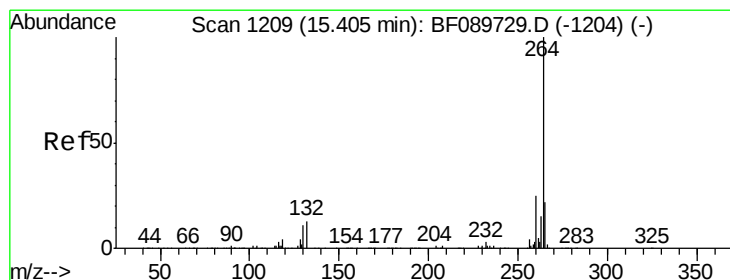
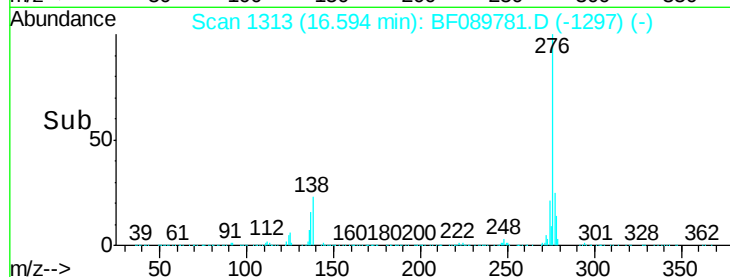
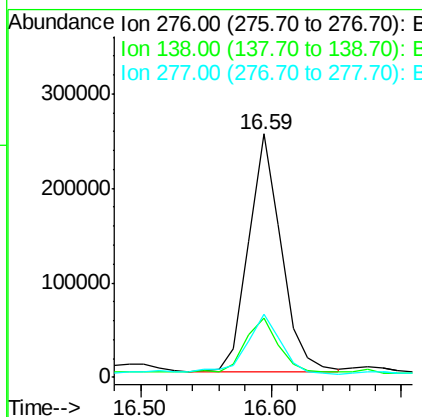
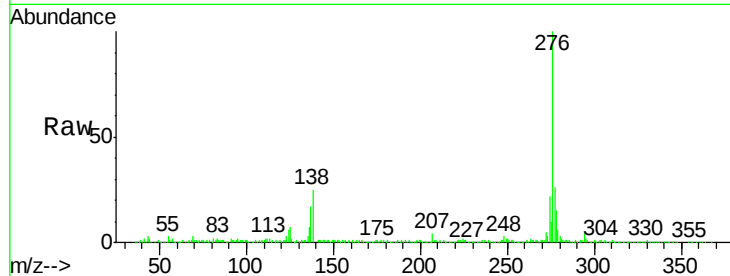
#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 8.17 ng  
 RT: 16.59 min Scan# 1313  
 Delta R.T. -0.11 min  
 Lab File: BF089781.D  
 Acq: 17 Aug 2016 23:26

Instrument :  
 BNA\_F  
 ClientSampleId :  
 670-UNDERCLIFF-6

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 26.4  | 24.6  | 36.8  |
| 277     | 27.3  | 20.4  | 30.6  |

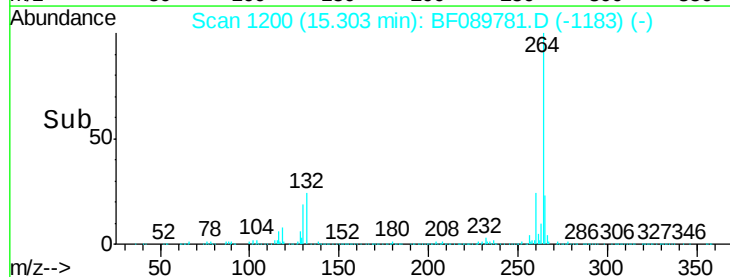
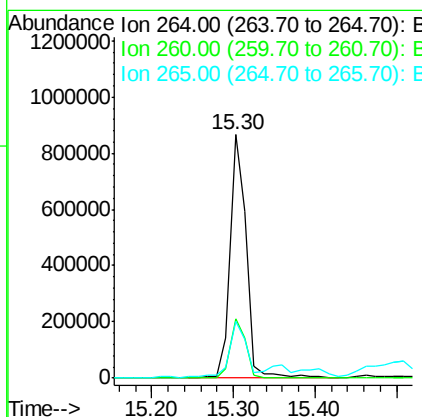
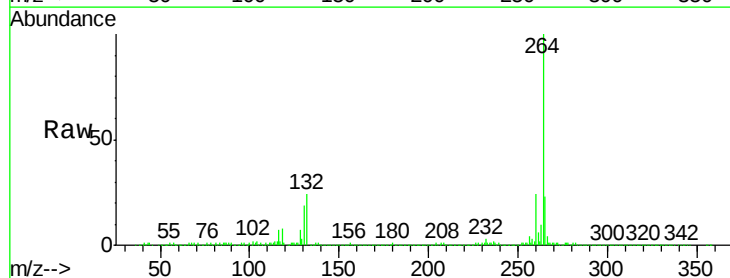
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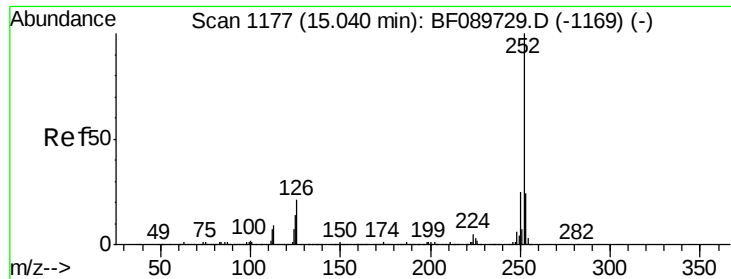
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#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.30 min Scan# 1200  
 Delta R.T. -0.10 min  
 Lab File: BF089781.D  
 Acq: 17 Aug 2016 23:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.2  | 20.2  | 30.2  |
| 265     | 23.4  | 17.4  | 26.2  |





#87

Benzo(b)fluoranthene

Concen: 11.39 ng m

RT: 14.93 min Scan# 1167

Delta R.T. -0.08 min

Lab File: BF089781.D

Acq: 17 Aug 2016 23:26

Instrument :

BNA\_F

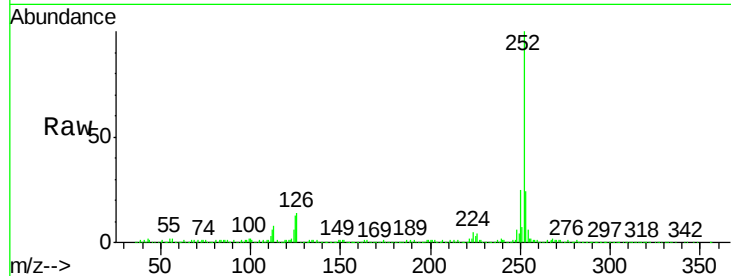
ClientSampleId :

670-UNDERCLIFF-6

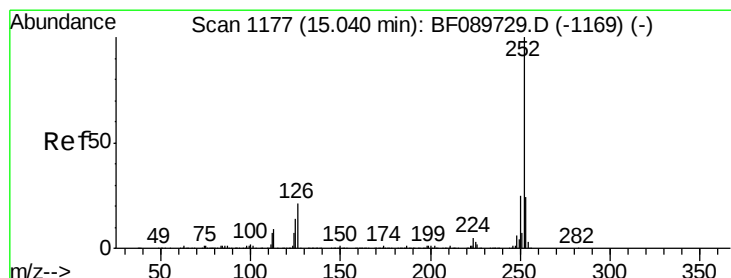
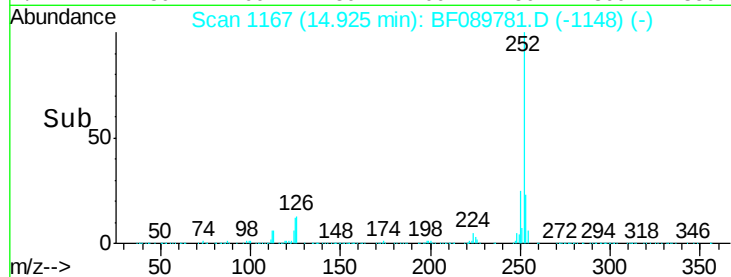
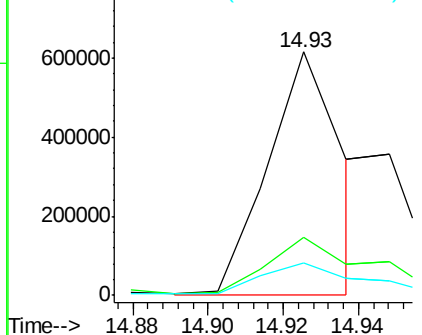
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 252   | Resp: | 849729 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 23.8  | 17.8  | 26.8   |
| 125       | 13.3  | 11.4  | 17.2   |

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



#88

Benzo(k)fluoranthene

Concen: 4.93 ng m

RT: 14.95 min Scan# 1169

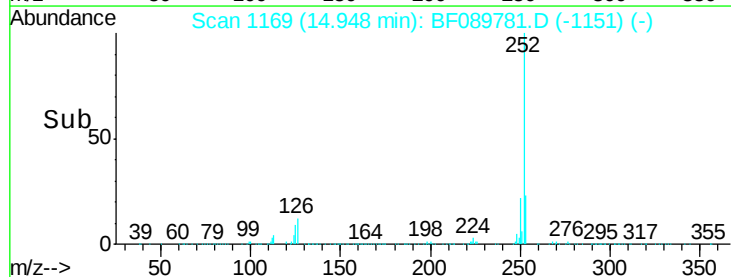
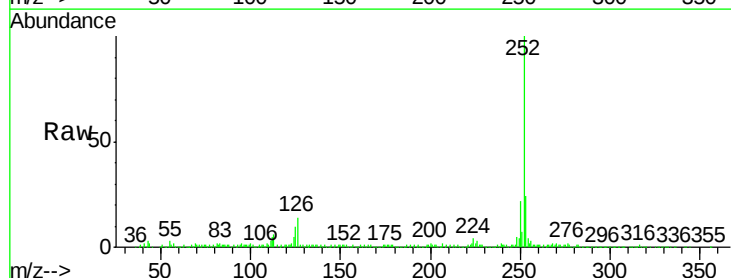
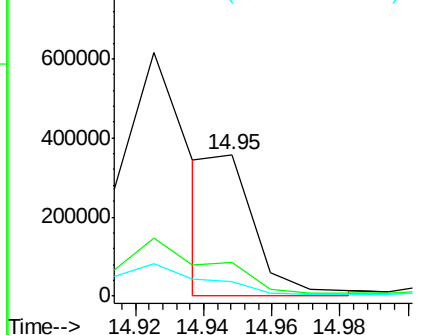
Delta R.T. -0.09 min

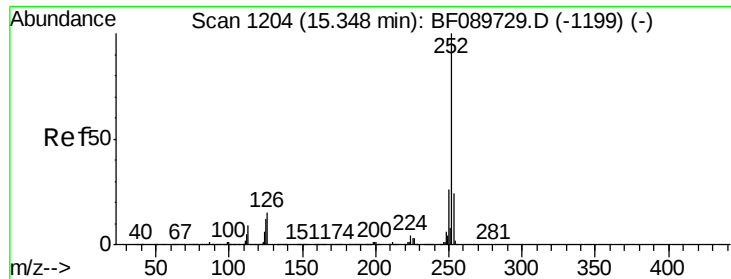
Lab File: BF089781.D

Acq: 17 Aug 2016 23:26

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 303025 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 23.7  | 18.4  | 27.6   |
| 125       | 10.2  | 9.8   | 14.6   |

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





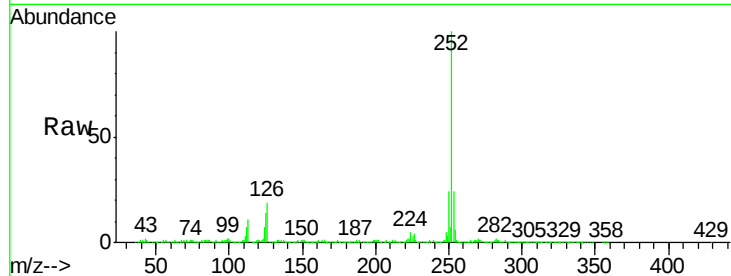
#89  
Benzo(a)pyrene  
Concen: 11.49 ng  
RT: 15.25 min Scan# 1195  
Delta R.T. -0.10 min  
Lab File: BF089781.D  
Acq: 17 Aug 2016 23:26

Instrument :  
BNA\_F  
ClientSampleId :  
670-UNDERCLIFF-6

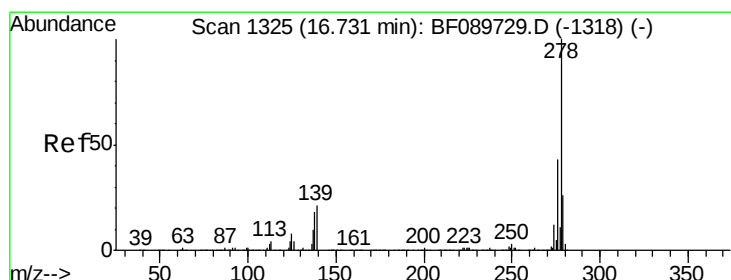
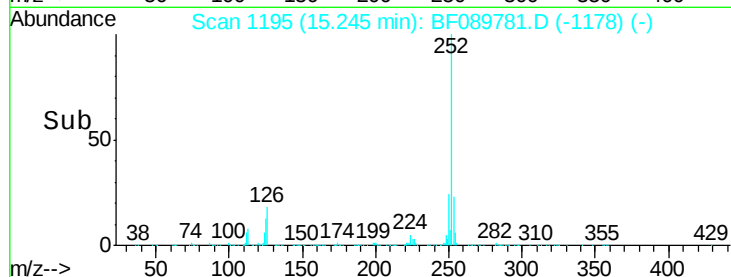
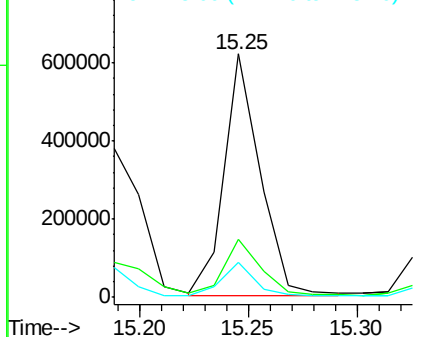
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.8  | 17.8  | 26.8  |
| 125     | 14.2  | 11.7  | 17.5  |

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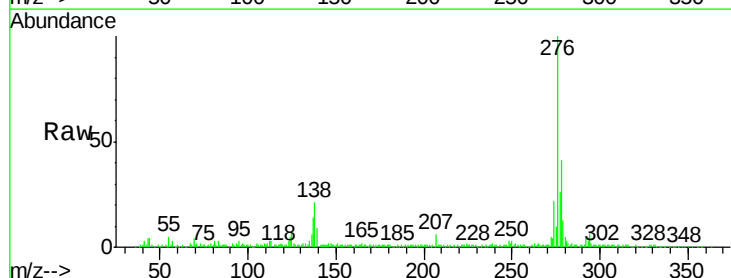


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

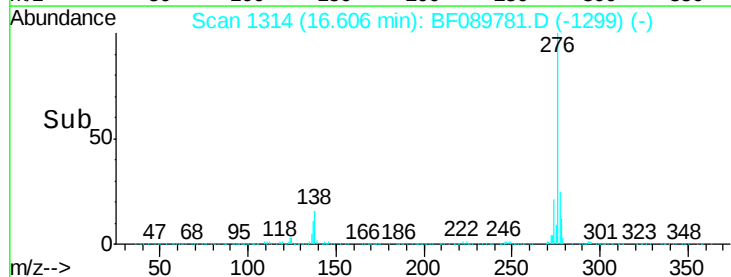
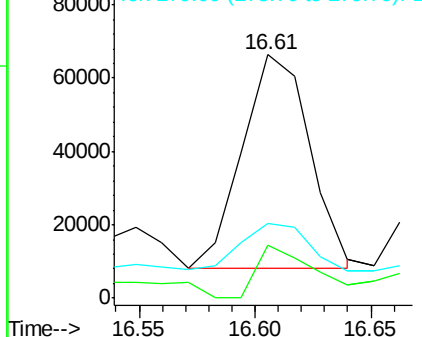


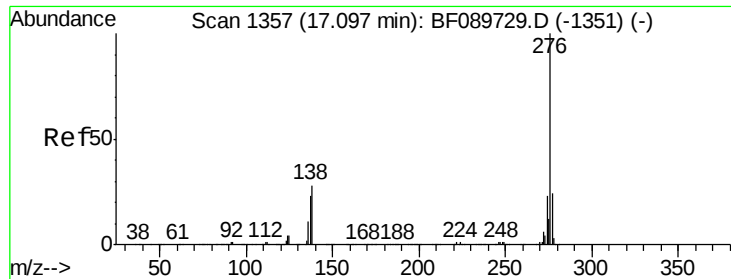
#90  
Dibenzo(a,h)anthracene  
Concen: 2.43 ng m  
RT: 16.61 min Scan# 1314  
Delta R.T. -0.13 min  
Lab File: BF089781.D  
Acq: 17 Aug 2016 23:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 21.6  | 14.9  | 22.3  |
| 279     | 30.4  | 19.2  | 28.8  |



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(a,h,i)perylene  
 Concen: 9.59 ng  
 RT: 16.98 min Scan# 1347  
 Delta R.T. -0.11 min  
 Lab File: BF089781.D  
 Acq: 17 Aug 2016 23:26

Instrument :  
 BNA\_F  
 ClientSampleId :  
 670-UNDERCLIFF-6

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.9  | 19.2  | 28.8  |
| 138     | 23.6  | 22.1  | 33.1  |

Manual Integrations  
 APPROVED

sohil  
 8/18/2016 5:59:29 PM

