

Data Path : S:\HPCHEM1\BNA\_F\DATA\BF060916\  
 Data File : BF087852.D  
 Acq On : 9 Jun 2016 15:04  
 Operator : UM/SJ  
 Sample : H3399-10 5X  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SS-30

Quant Time: Jun 09 15:48:39 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF060716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 07 18:51:55 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.82  | 152  | 117478   | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 8.10  | 136  | 460256   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 9.85  | 164  | 205601   | 20.00 | ng    | -0.03    |
| 63) Phenanthrene-d10      | 11.32 | 188  | 357569   | 20.00 | ng    | -0.03    |
| 75) Chrysene-d12          | 13.95 | 240  | 231169   | 20.00 | ng    | -0.03    |
| 86) Perylene-d12          | 15.36 | 264  | 243191   | 20.00 | ng    | -0.03    |

|                             |       |     |        |       |    |       |
|-----------------------------|-------|-----|--------|-------|----|-------|
| System Monitoring Compounds |       |     |        |       |    |       |
| 5) 2-Fluorophenol           | 5.40  | 112 | 128497 | 18.70 | ng | -0.02 |
| 7) Phenol-d6                | 6.44  | 99  | 179032 | 21.50 | ng | -0.03 |
| 23) Nitrobenzene-d5         | 7.38  | 82  | 98787  | 12.53 | ng | -0.03 |
| 41) 2,4,6-Tribromophenol    | 10.64 | 330 | 14496  | 6.68  | ng | -0.03 |
| 44) 2-Fluorobiphenyl        | 9.18  | 172 | 227076 | 12.64 | ng | -0.03 |
| 78) Terphenyl-d14           | 12.91 | 244 | 152434 | 15.01 | ng | -0.03 |

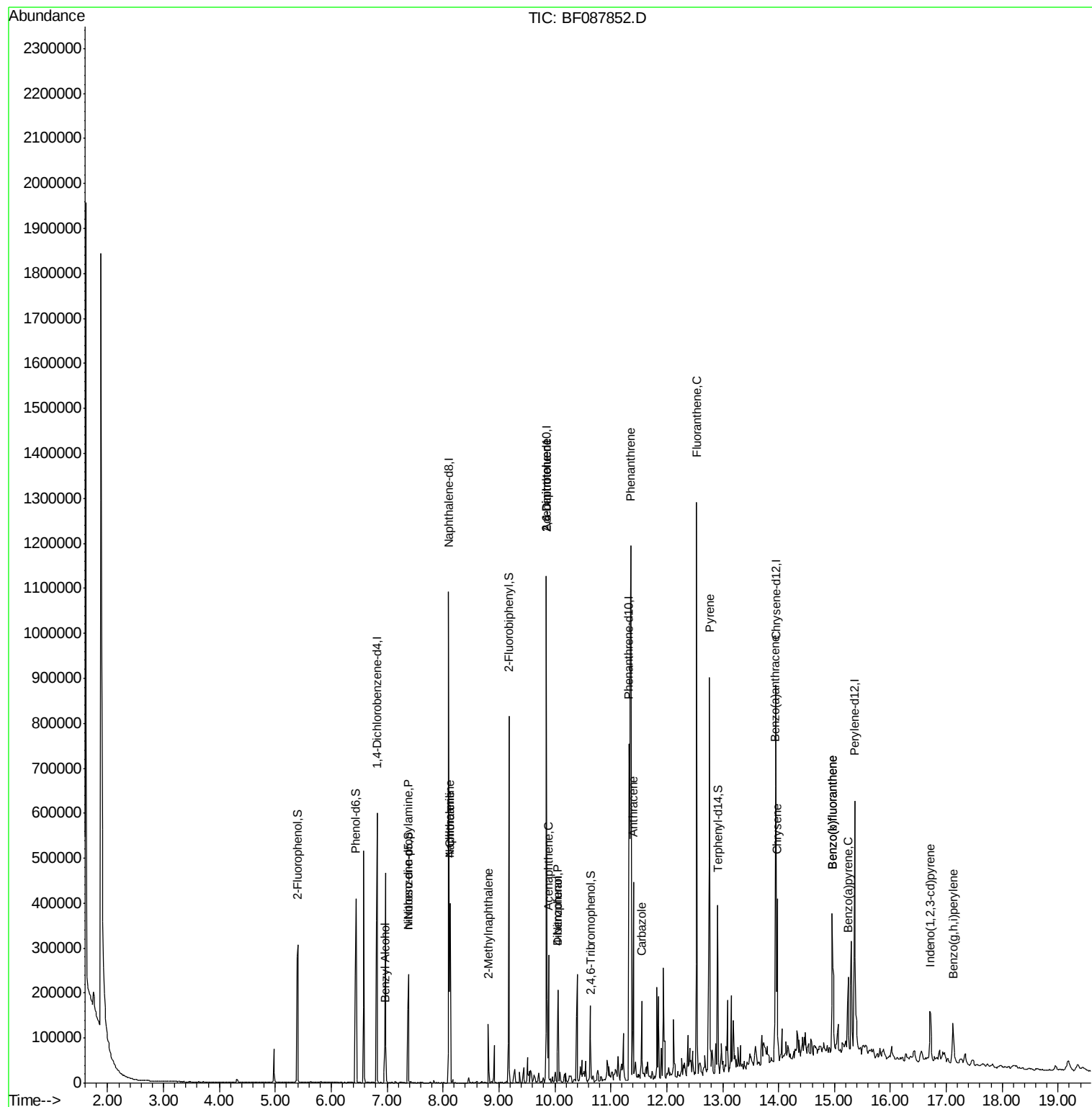
|                                |       |     |        |           |   |     |
|--------------------------------|-------|-----|--------|-----------|---|-----|
| Target Compounds               |       |     |        | Qvalue    |   |     |
| 10) Phenol                     | 6.46  | 94  | 1173   | Below Cal |   | 96  |
| 15) Benzyl Alcohol             | 6.96  | 79  | 14424  | 2.21 ng   |   | 95  |
| 19) n-Nitroso-di-n-propylamine | 7.38  | 70  | 12266  | 2.30 ng   | # | 70  |
| 31) Naphthalene                | 8.12  | 128 | 160506 | 7.05 ng   |   | 98  |
| 33) 4-Chloroaniline            | 8.12  | 127 | 20617  | 2.03 ng   | # | 33  |
| 37) 2-Methylnaphthalene        | 8.81  | 142 | 35423  | 2.36 ng   |   | 96  |
| 45) 1,1'-Biphenyl              | 9.28  | 154 | 10714  | Below Cal |   | 93  |
| 50) 2,6-Dinitrotoluene         | 9.85  | 165 | 27579  | 8.09 ng   | # | 39  |
| 51) Acenaphthene               | 9.88  | 154 | 59134  | 4.48 ng   |   | 97  |
| 54) Dibenzofuran               | 10.06 | 168 | 80685  | 4.44 ng   |   | 99  |
| 55) 4-Nitrophenol              | 10.06 | 139 | 28031  | 9.18 ng   | # | 6   |
| 56) 2,4-Dinitrotoluene         | 9.85  | 165 | 28272  | 6.45 ng   | # | 38  |
| 70) Phenanthrene               | 11.36 | 178 | 613981 | 32.72 ng  |   | 98  |
| 71) Anthracene                 | 11.40 | 178 | 171353 | 9.05 ng   |   | 97  |
| 72) Carbazole                  | 11.55 | 167 | 66301  | 3.74 ng   |   | 98  |
| 74) Fluoranthene               | 12.54 | 202 | 464495 | 23.46 ng  |   | 98  |
| 77) Pyrene                     | 12.76 | 202 | 404136 | 23.56 ng  |   | 99  |
| 80) Benzo(a)anthracene         | 13.94 | 228 | 182820 | 13.88 ng  |   | 99  |
| 82) Chrysene                   | 13.98 | 228 | 107101 | 8.64 ng   |   | 96  |
| 85) Indeno(1,2,3-cd)pyrene     | 16.71 | 276 | 82435  | 7.16 ng   | # | 100 |
| 87) Benzo(b)fluoranthene       | 14.96 | 252 | 209866 | 12.38 ng  | # | 95  |
| 88) Benzo(k)fluoranthene       | 14.96 | 252 | 209866 | 16.41 ng  |   | 98  |
| 89) Benzo(a)pyrene             | 15.25 | 252 | 79174  | 5.77 ng   |   | 95  |
| 91) Benzo(g,h,i)perylene       | 17.12 | 276 | 72412  | 5.53 ng   |   | 96  |

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

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QLast Update : Tue Jun 07 18:51:55 2016  
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 458

Delta R.T. -0.02 min

Lab File: BF087852.D

Acq: 9 Jun 2016 15:04

Instrument :

BNA\_F

ClientSampled :

SS-30

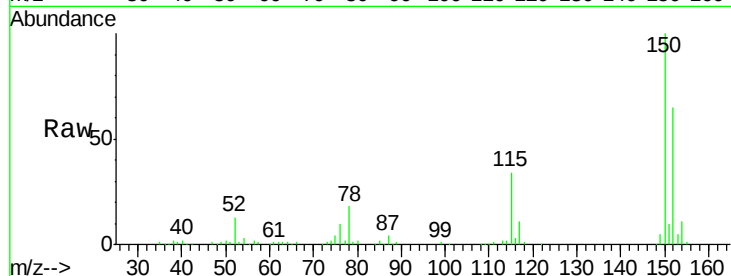
Tgt Ion:152 Resp: 117478

Ion Ratio Lower Upper

152 100

150 153.4 123.8 185.6

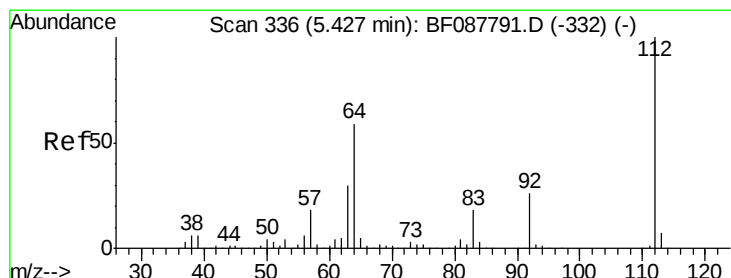
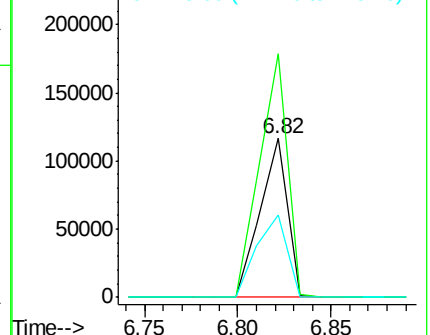
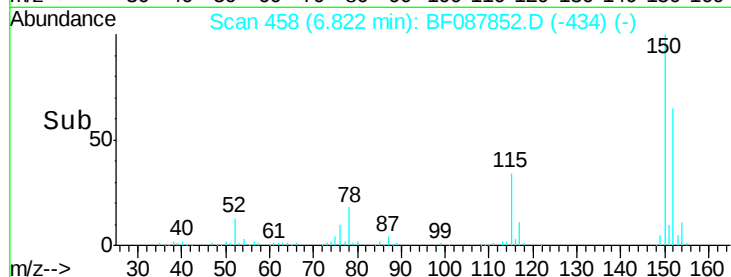
115 51.9 39.6 59.4



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: 18.70 ng

RT: 5.40 min Scan# 334

Delta R.T. -0.02 min

Lab File: BF087852.D

Acq: 9 Jun 2016 15:04

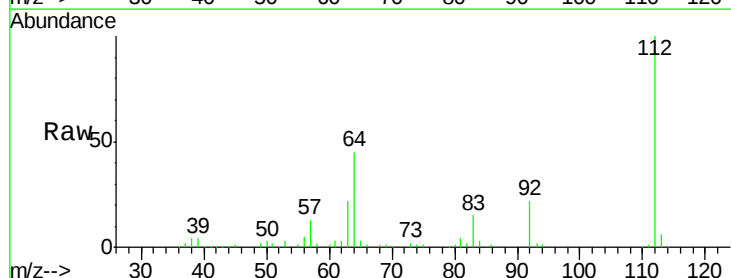
Tgt Ion:112 Resp: 128497

Ion Ratio Lower Upper

112 100

64 44.6 42.2 63.2

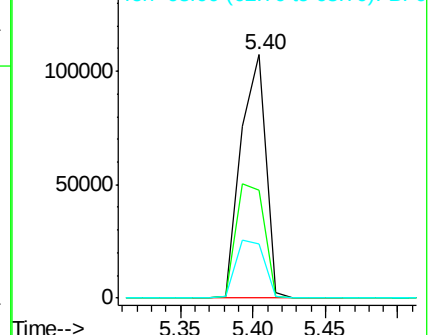
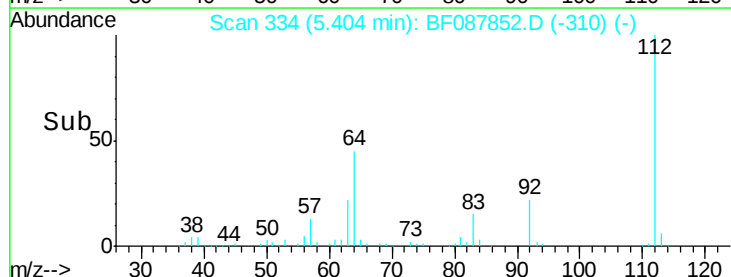
63 22.5 21.8 32.8



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: 21.50 ng

RT: 6.44 min Scan# 425

Delta R.T. -0.03 min

Lab File: BF087852.D

Acq: 9 Jun 2016 15:04

Instrument :

BNA\_F

ClientSampleId :

SS-30

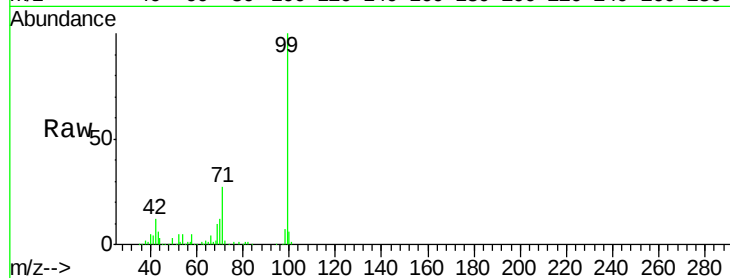
Tgt Ion: 99 Resp: 179032

Ion Ratio Lower Upper

99 100

42 12.1 12.2 18.2#

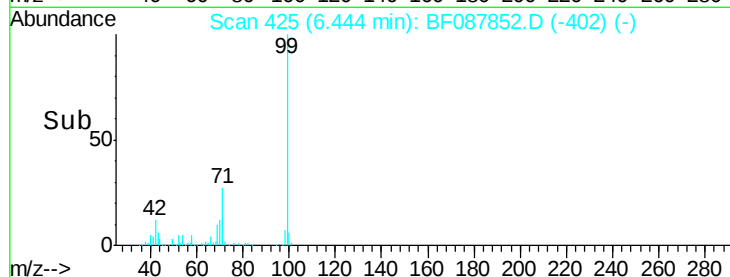
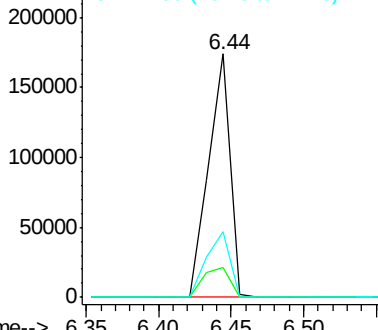
71 27.0 23.4 35.0



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: Below Cal

RT: 6.46 min Scan# 426

Delta R.T. -0.03 min

Lab File: BF087852.D

Acq: 9 Jun 2016 15:04

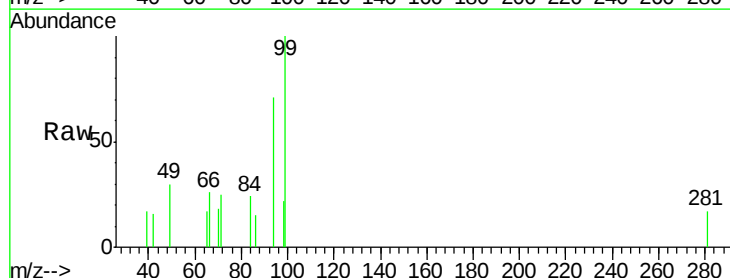
Tgt Ion: 94 Resp: 1173

Ion Ratio Lower Upper

94 100

65 24.0 5.9 45.9

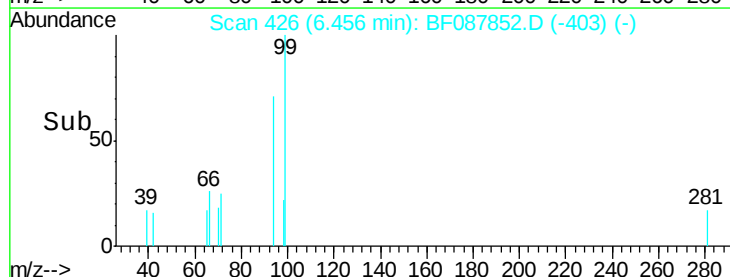
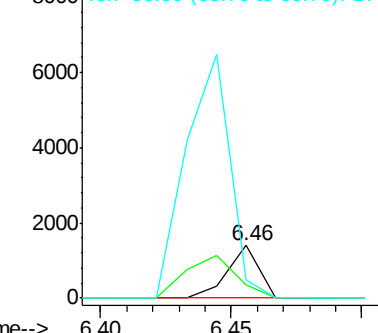
66 36.0 14.0 54.0

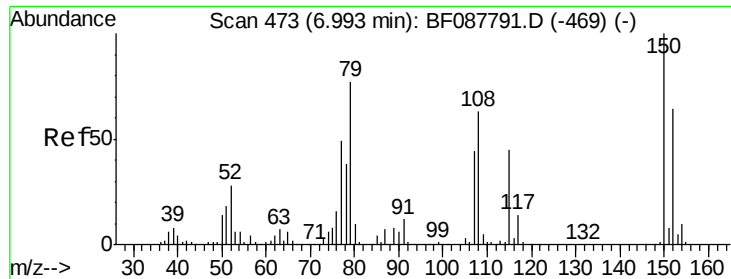


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

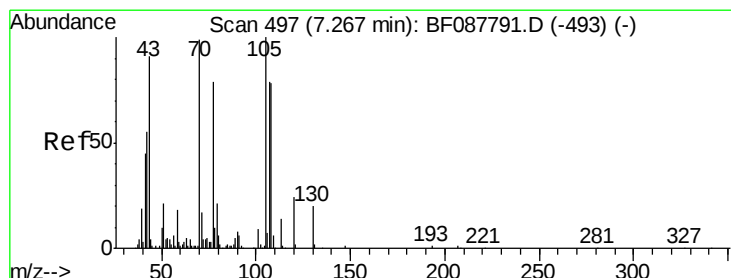
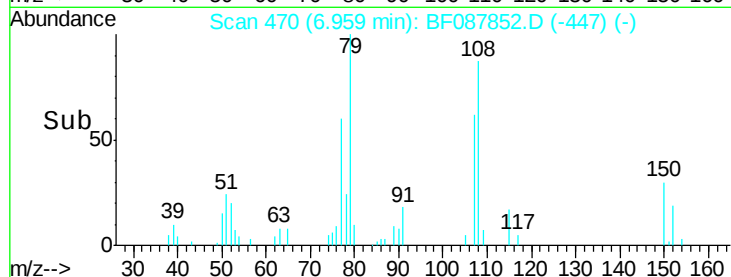
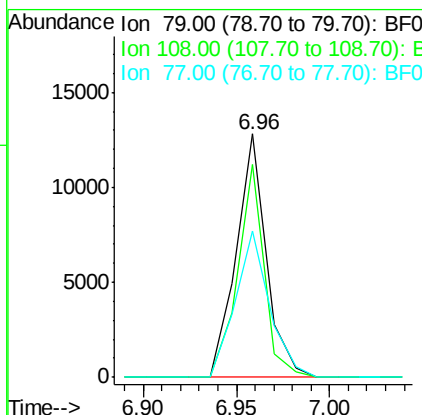
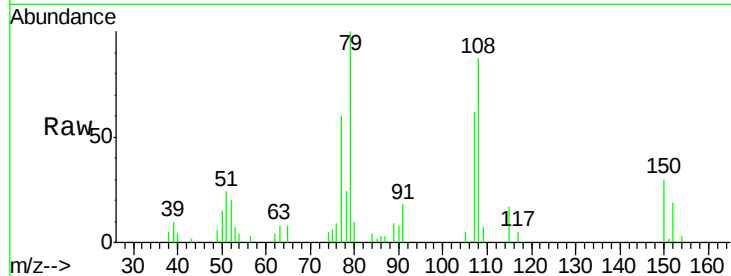




#15  
Benzyl Alcohol  
Concen: 2.21 ng  
RT: 6.96 min Scan# 470  
Delta R.T. -0.03 min  
Lab File: BF087852.D  
Acq: 9 Jun 2016 15:04

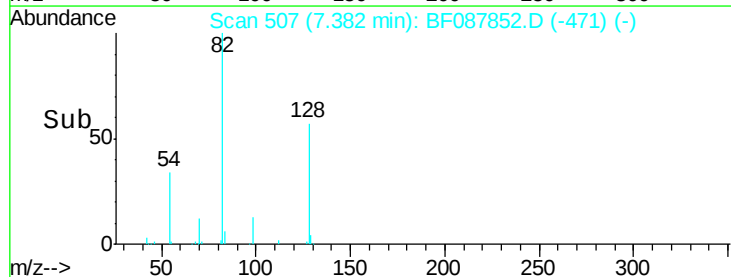
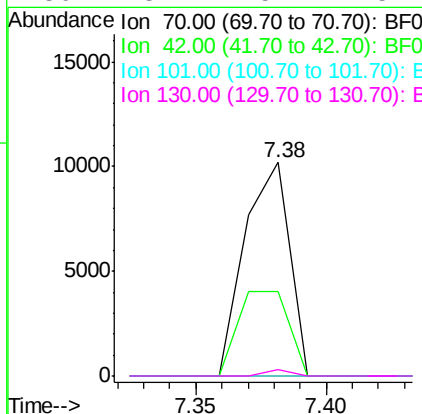
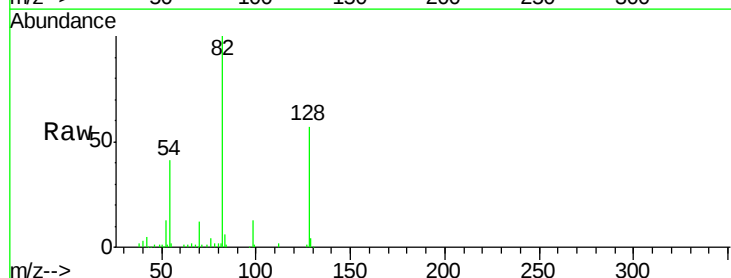
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SS-30

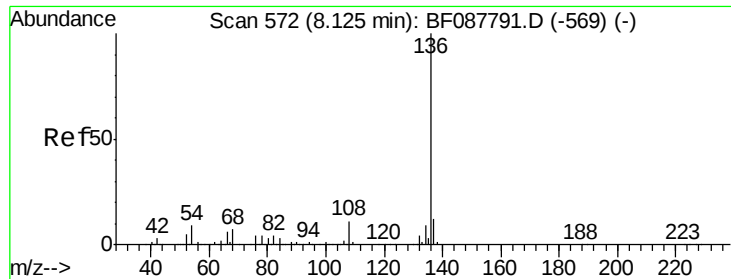
Tgt Ion: 79 Resp: 14424  
Ion Ratio Lower Upper  
79 100  
108 87.2 65.0 97.6  
77 60.1 50.3 75.5



#19  
n-Nitroso-di-n-propylamine  
Concen: 2.30 ng  
RT: 7.38 min Scan# 507  
Delta R.T. 0.11 min  
Lab File: BF087852.D  
Acq: 9 Jun 2016 15:04

Tgt Ion: 70 Resp: 12266  
Ion Ratio Lower Upper  
70 100  
42 39.3 49.6 74.4#  
101 0.0 7.1 10.7#  
130 3.2 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 570

Delta R.T. -0.02 min

Lab File: BF087852.D

Acq: 9 Jun 2016 15:04

Instrument :

BNA\_F

ClientSampleId :

SS-30

Tgt Ion: 136 Resp: 460256

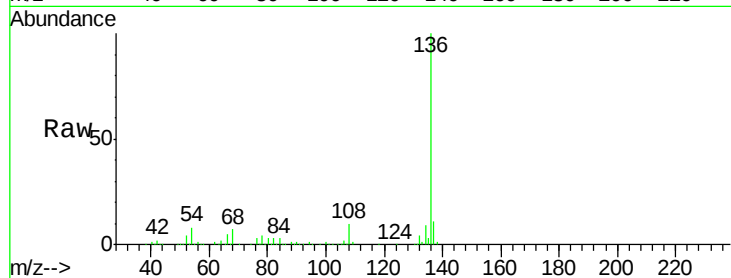
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 8.2 6.6 10.0

68 6.6 5.1 7.7

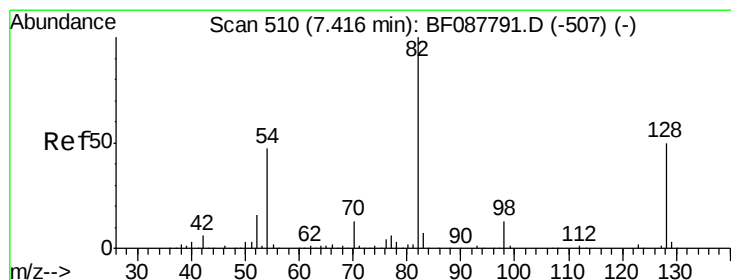
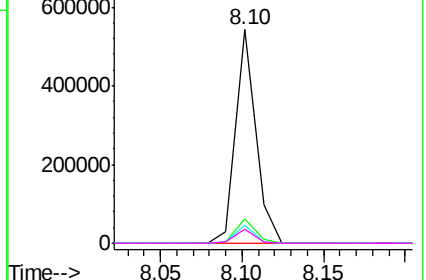
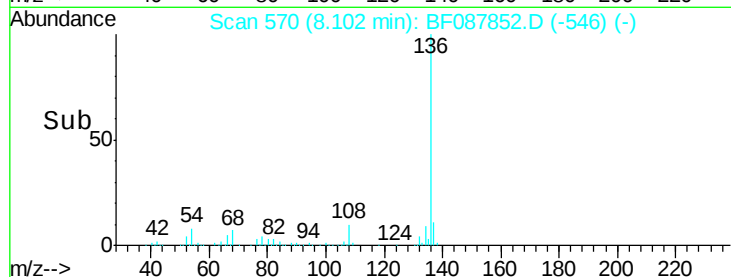


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 12.53 ng

RT: 7.38 min Scan# 507

Delta R.T. -0.03 min

Lab File: BF087852.D

Acq: 9 Jun 2016 15:04

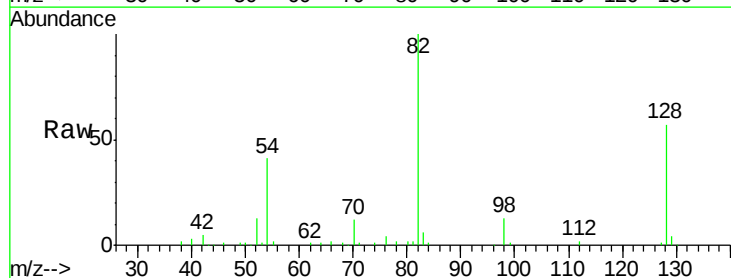
Tgt Ion: 82 Resp: 98787

Ion Ratio Lower Upper

82 100

128 56.5 35.9 53.9#

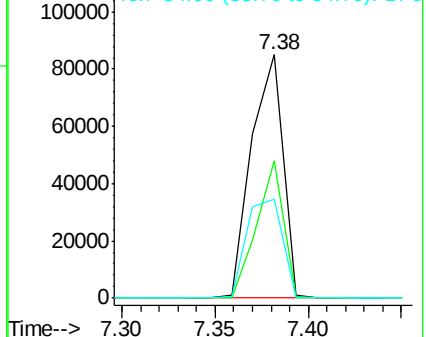
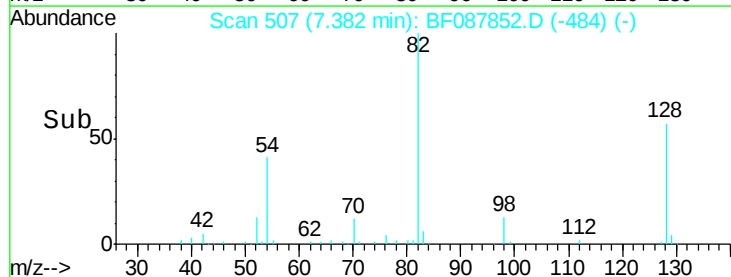
54 40.6 40.9 61.3#

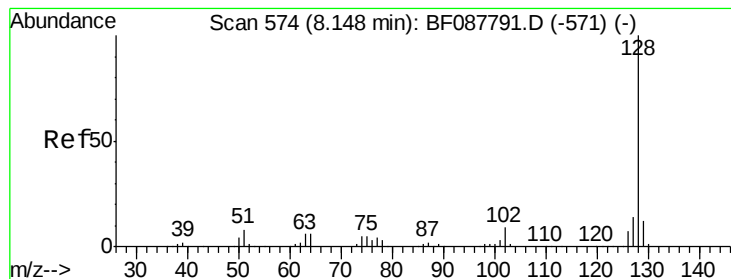


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 7.05 ng

RT: 8.12 min Scan# 572

Delta R.T. -0.02 min

Lab File: BF087852.D

Acq: 9 Jun 2016 15:04

Instrument :

BNA\_F

ClientSampled :

SS-30

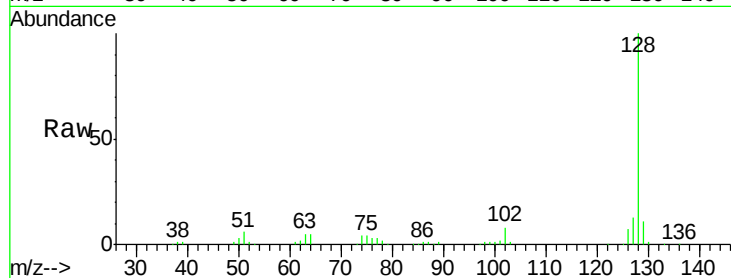
Tgt Ion:128 Resp: 160506

Ion Ratio Lower Upper

128 100

129 10.8 9.4 14.2

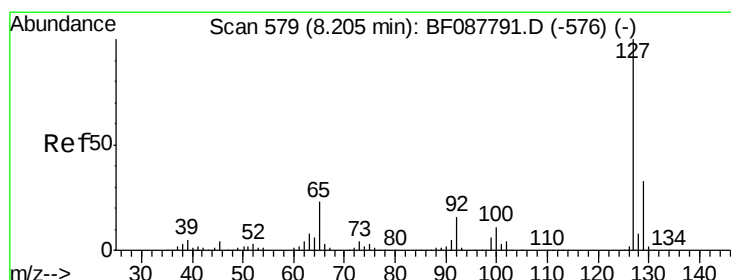
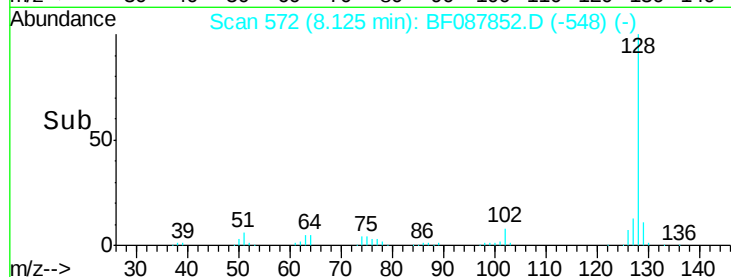
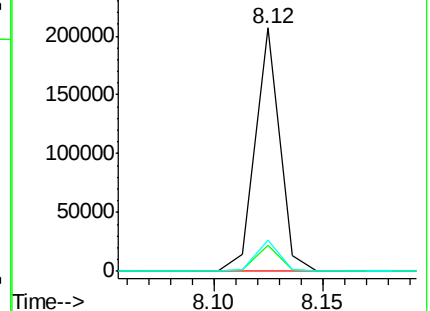
127 12.8 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#33

4-Chloroaniline

Concen: 2.03 ng

RT: 8.12 min Scan# 572

Delta R.T. -0.08 min

Lab File: BF087852.D

Acq: 9 Jun 2016 15:04

Tgt Ion:127 Resp: 20617

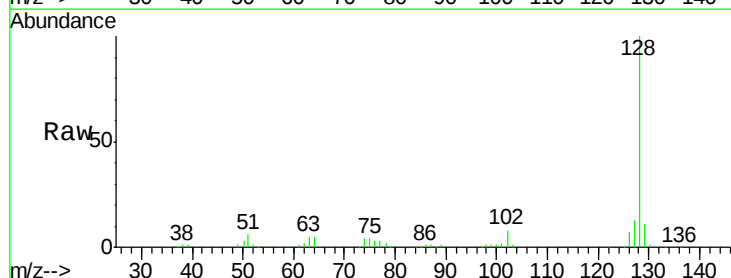
Ion Ratio Lower Upper

127 100

129 84.4 26.3 39.5#

65 0.0 24.7 37.1#

92 0.0 15.4 23.0#

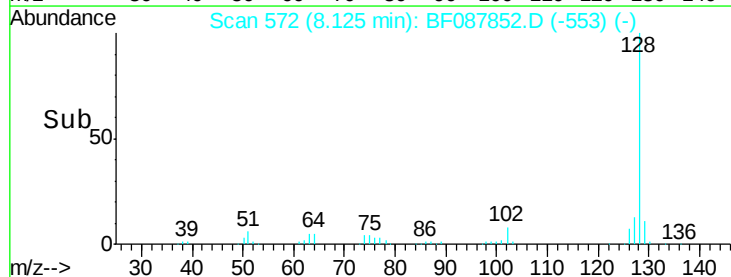
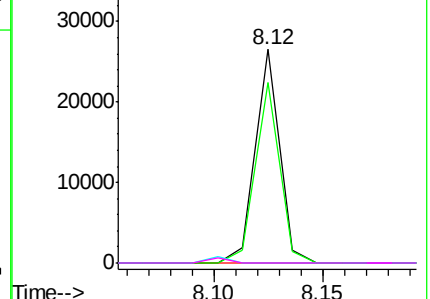


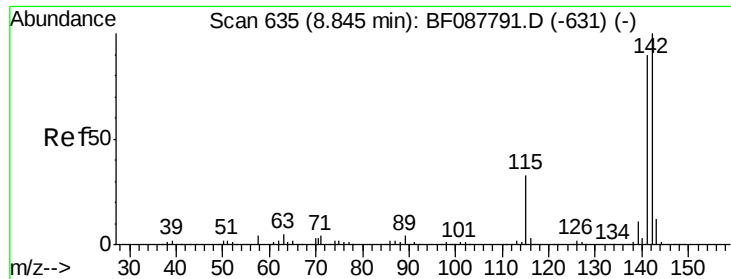
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

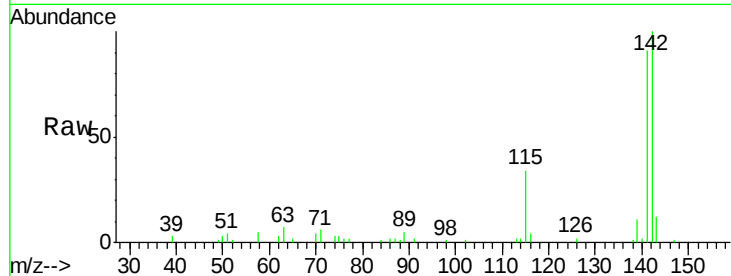




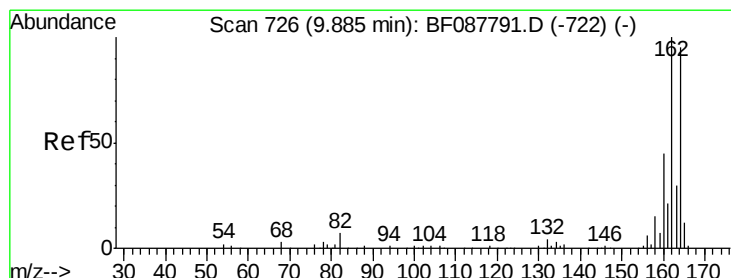
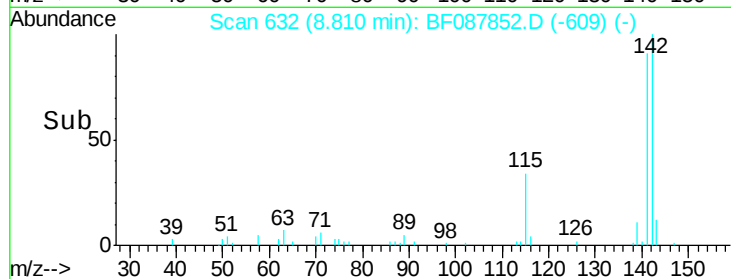
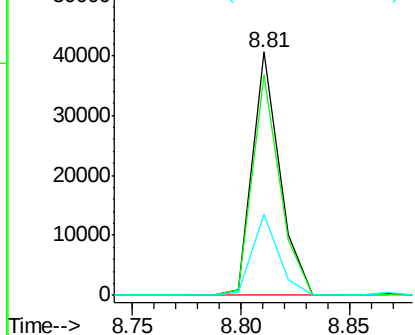
#37  
 2-Methylnaphthalene  
 Concen: 2.36 ng  
 RT: 8.81 min Scan# 632  
 Delta R.T. -0.03 min  
 Lab File: BF087852.D  
 Acq: 9 Jun 2016 15:04

Instrument :  
 BNA\_F  
 ClientSampled :  
 SS-30

Tgt Ion:142 Resp: 35423  
 Ion Ratio Lower Upper  
 142 100  
 141 90.7 71.0 106.6  
 115 33.5 22.6 33.8

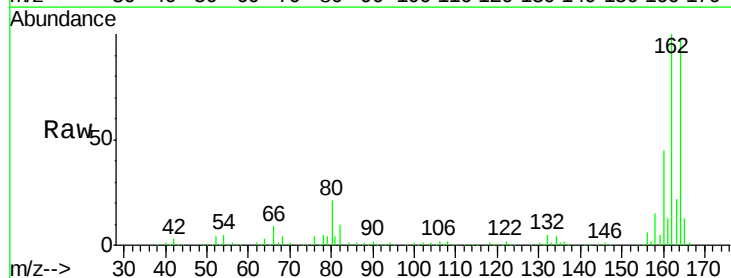


Abundance Ion 142.00 (141.70 to 142.70): E  
 Ion 141.00 (140.70 to 141.70): E  
 Ion 115.00 (114.70 to 115.70): E

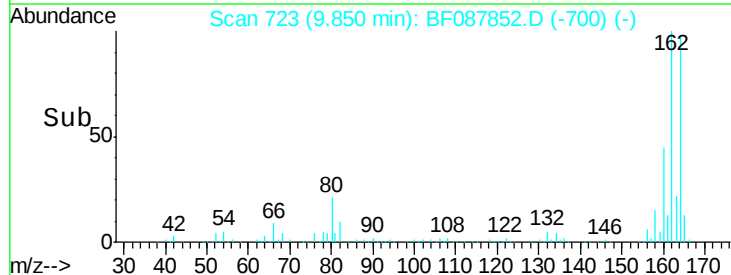
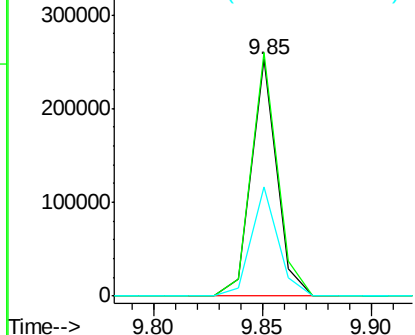


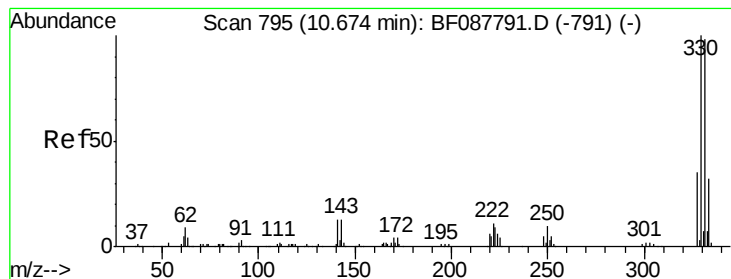
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.85 min Scan# 723  
 Delta R.T. -0.03 min  
 Lab File: BF087852.D  
 Acq: 9 Jun 2016 15:04

Tgt Ion:164 Resp: 205601  
 Ion Ratio Lower Upper  
 164 100  
 162 102.9 85.4 128.2  
 160 46.2 39.5 59.3



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

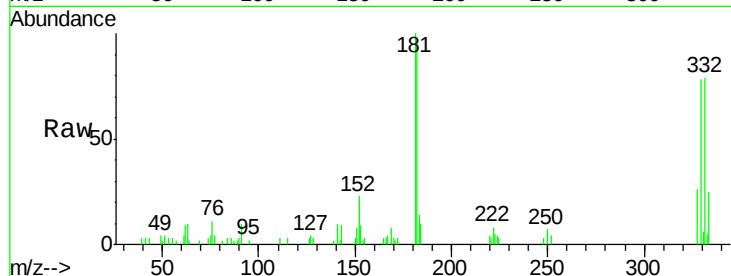




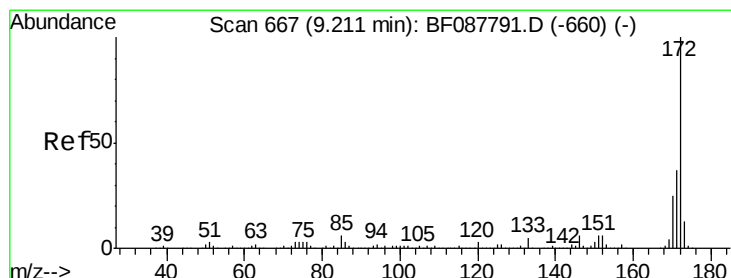
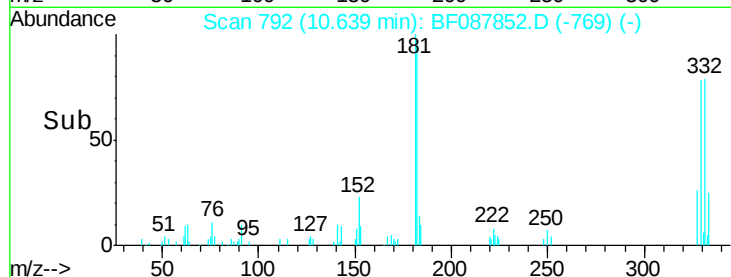
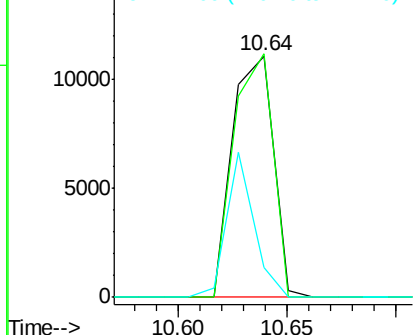
#41  
 2,4,6-Tribromophenol  
 Concen: 6.68 ng  
 RT: 10.64 min Scan# 792  
 Delta R.T. -0.03 min  
 Lab File: BF087852.D  
 Acq: 9 Jun 2016 15:04

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SS-30

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 330     | 100   | 14496 |       |       |
| 332     | 96.6  | 0.0   | 0.0   | 0.0#  |
| 141     | 39.9  | 0.0   | 0.0   | 0.0#  |

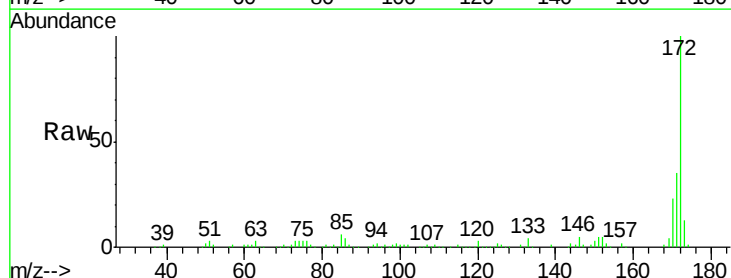


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

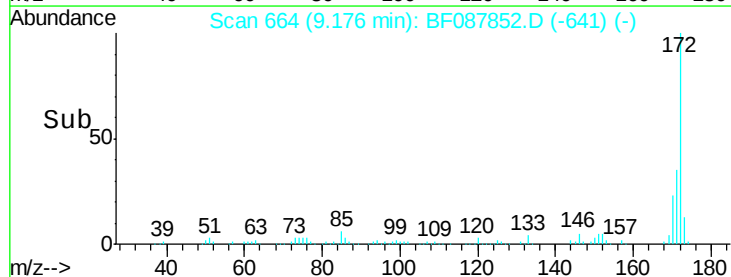
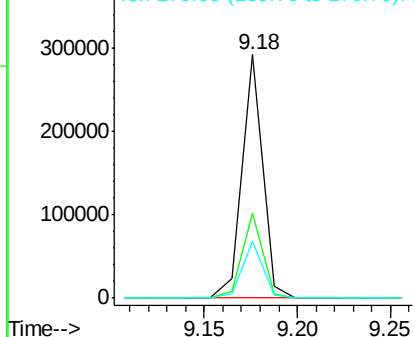


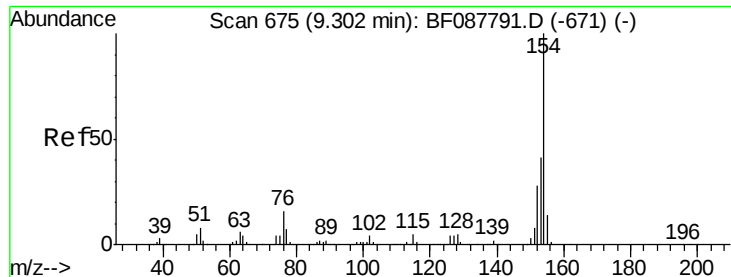
#44  
 2-Fluorobiphenyl  
 Concen: 12.64 ng  
 RT: 9.18 min Scan# 664  
 Delta R.T. -0.03 min  
 Lab File: BF087852.D  
 Acq: 9 Jun 2016 15:04

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 172     | 100   | 227076 |       |       |
| 171     | 35.1  | 28.6   | 43.0  |       |
| 170     | 23.5  | 19.2   | 28.8  |       |



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





#45

1,1'-Biphenyl

Concen: Below Cal

RT: 9.28 min Scan# 673

Delta R.T. -0.02 min

Lab File: BF087852.D

Acq: 9 Jun 2016 15:04

Instrument :

BNA\_F

ClientSampleId :

SS-30

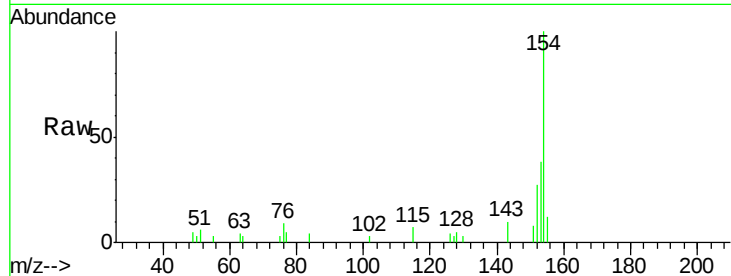
Tgt Ion:154 Resp: 10714

Ion Ratio Lower Upper

154 100

153 38.4 20.6 60.6

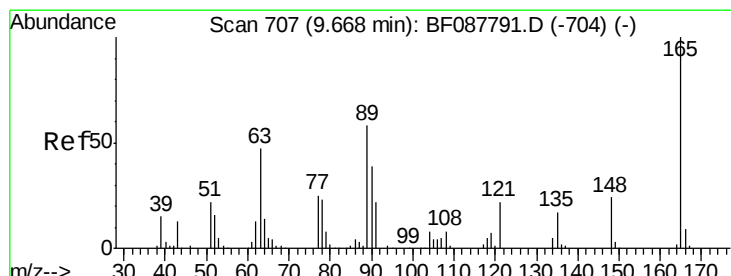
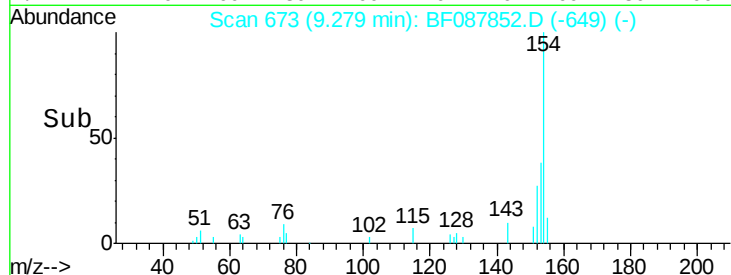
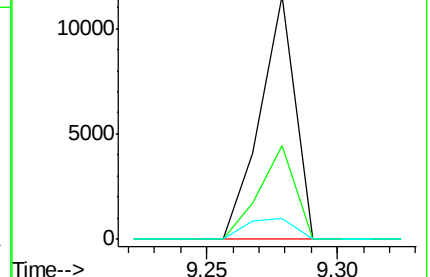
76 8.7 0.0 35.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#50

2,6-Dinitrotoluene

Concen: 8.09 ng

RT: 9.85 min Scan# 723

Delta R.T. 0.18 min

Lab File: BF087852.D

Acq: 9 Jun 2016 15:04

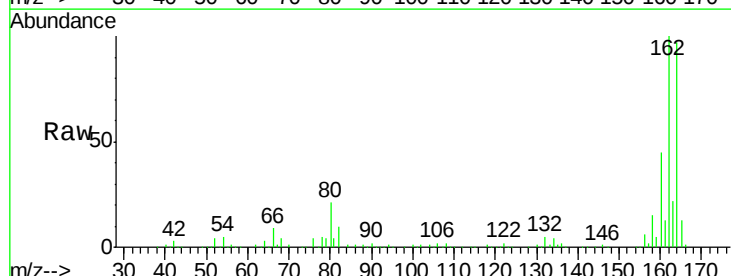
Tgt Ion:165 Resp: 27579

Ion Ratio Lower Upper

165 100

63 1.4 28.1 42.1#

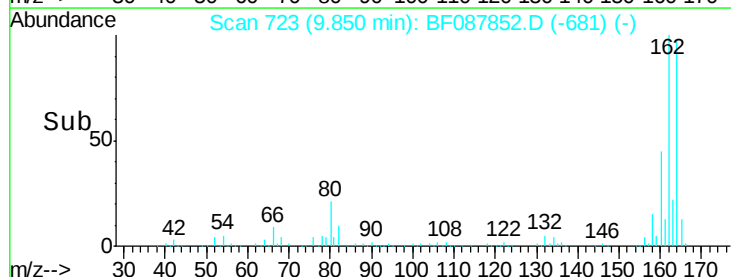
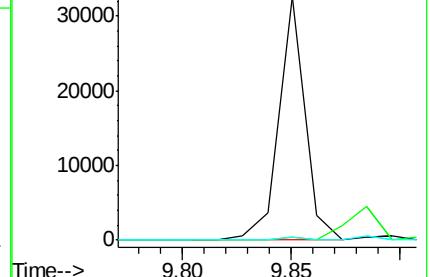
89 1.3 32.2 48.2#

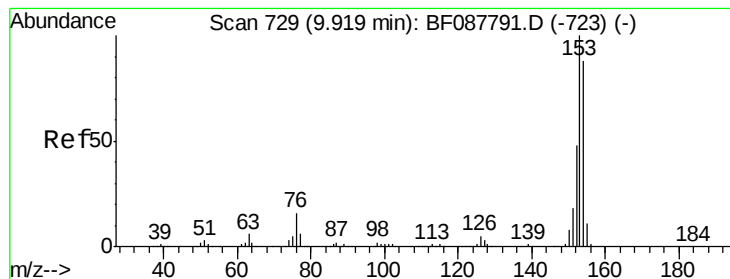


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 4.48 ng

RT: 9.88 min Scan# 726

Delta R.T. -0.03 min

Lab File: BF087852.D

Acq: 9 Jun 2016 15:04

Instrument :

BNA\_F

ClientSampled :

SS-30

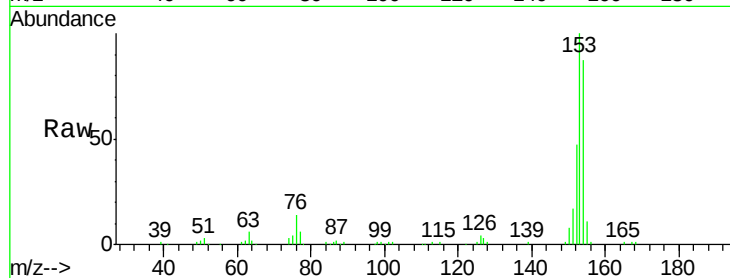
Tgt Ion:154 Resp: 59134

Ion Ratio Lower Upper

154 100

153 115.5 89.5 134.3

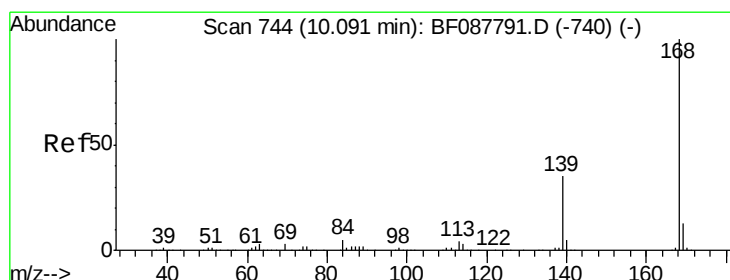
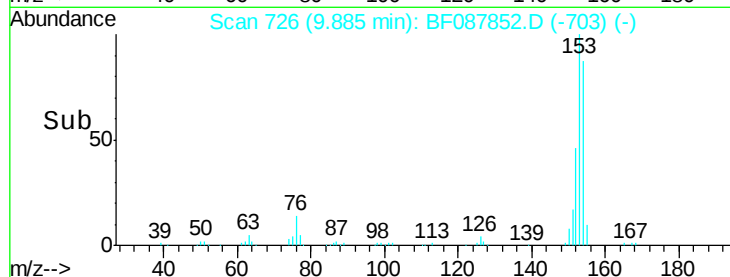
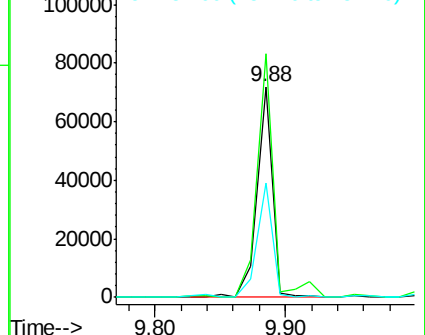
152 54.0 42.7 64.1



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



#54

Dibenzofuran

Concen: 4.44 ng

RT: 10.06 min Scan# 741

Delta R.T. -0.03 min

Lab File: BF087852.D

Acq: 9 Jun 2016 15:04

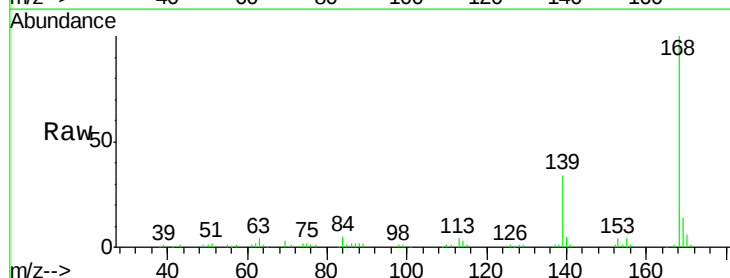
Tgt Ion:168 Resp: 80685

Ion Ratio Lower Upper

168 100

139 33.7 26.4 39.6

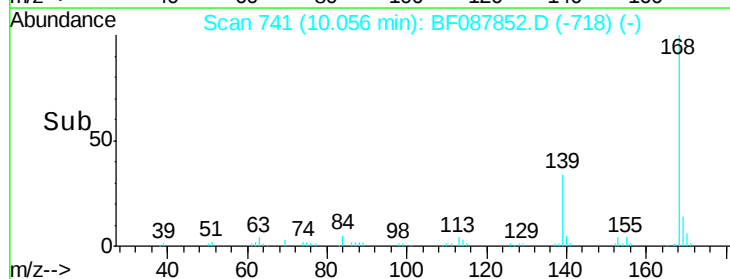
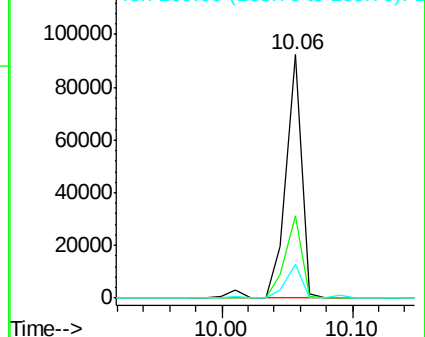
169 13.7 10.4 15.6

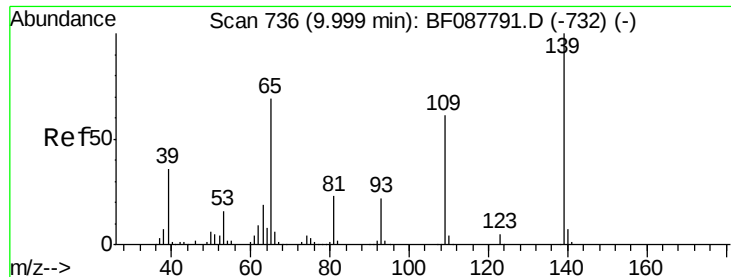


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 9.18 ng

RT: 10.06 min Scan# 741

Delta R.T. 0.06 min

Lab File: BF087852.D

Acq: 9 Jun 2016 15:04

Instrument :

BNA\_F

ClientSampleId :

SS-30

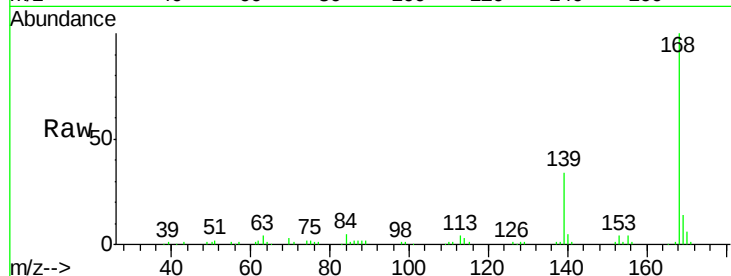
Tgt Ion:139 Resp: 28031

Ion Ratio Lower Upper

139 100

109 1.3 48.9 88.9#

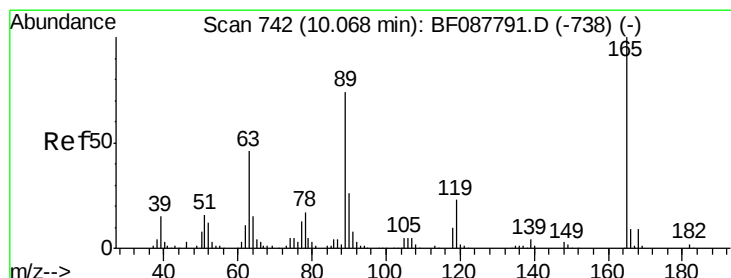
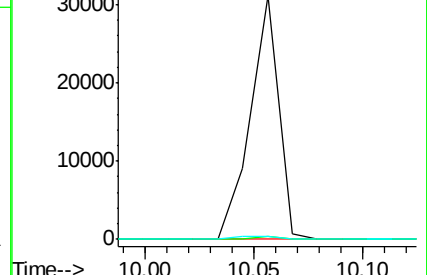
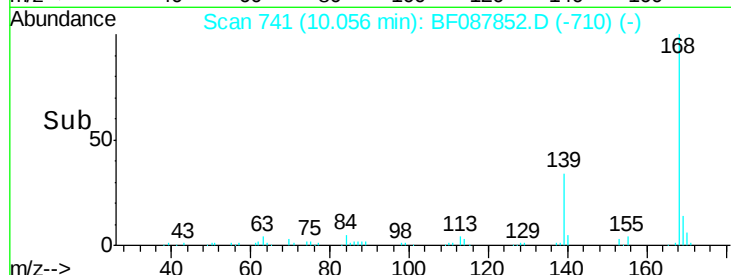
65 1.2 84.9 124.9#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 6.45 ng

RT: 9.85 min Scan# 723

Delta R.T. -0.22 min

Lab File: BF087852.D

Acq: 9 Jun 2016 15:04

Tgt Ion:165 Resp: 28272

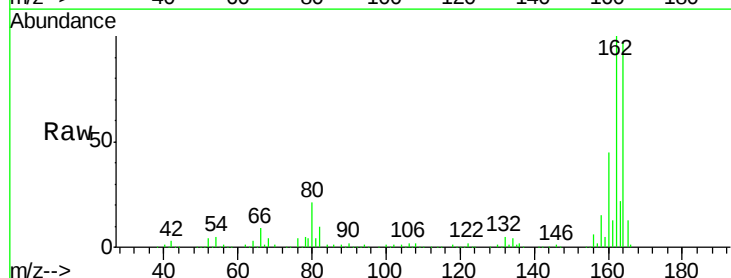
Ion Ratio Lower Upper

165 100

63 1.4 22.0 33.0#

89 1.3 41.1 61.7#

182 0.0 2.0 3.0#

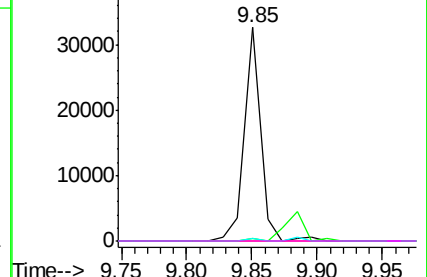
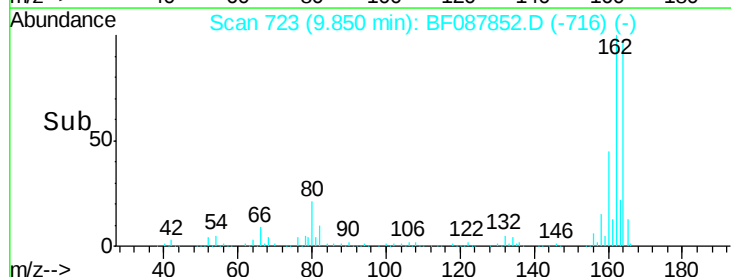


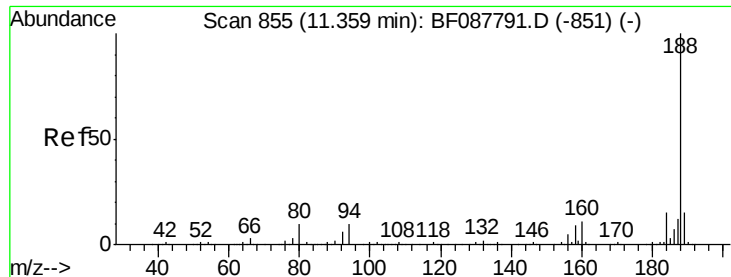
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

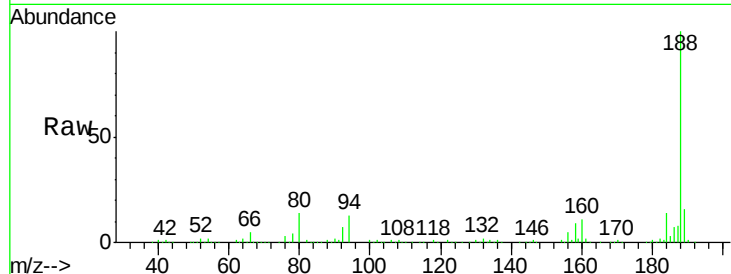




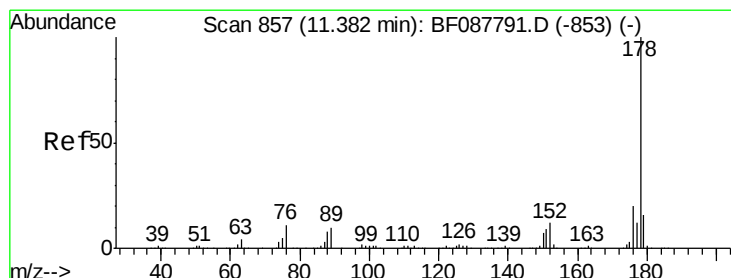
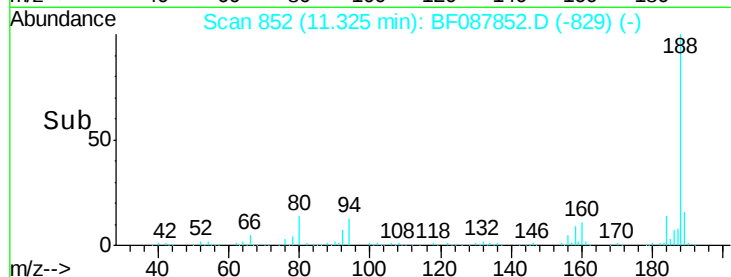
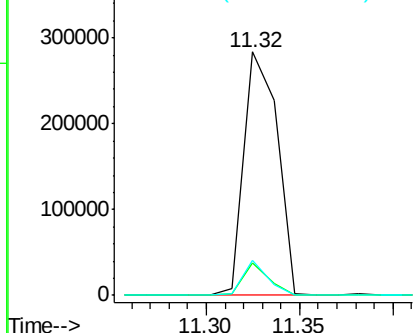
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.32 min Scan# 852  
Delta R.T. -0.03 min  
Lab File: BF087852.D  
Acq: 9 Jun 2016 15:04

Instrument :  
BNA\_F  
ClientSampleId :  
SS-30

Tgt Ion:188 Resp: 357569  
Ion Ratio Lower Upper  
188 100  
94 13.2 9.0 13.6  
80 14.3 10.0 15.0

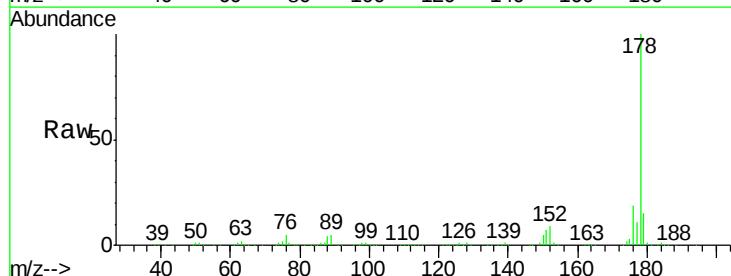


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

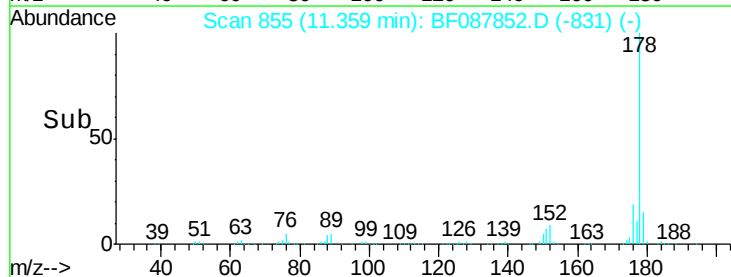
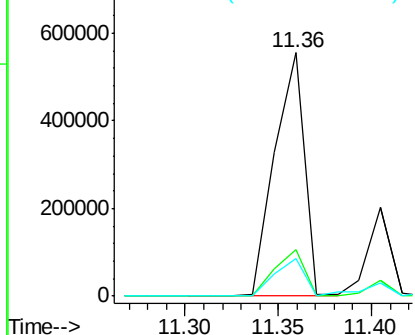


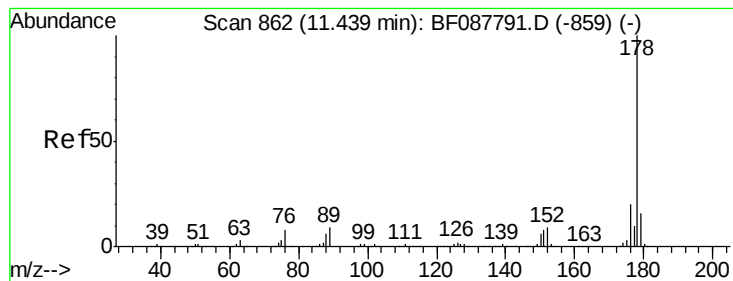
#70  
Phenanthrene  
Concen: 32.72 ng  
RT: 11.36 min Scan# 855  
Delta R.T. -0.02 min  
Lab File: BF087852.D  
Acq: 9 Jun 2016 15:04

Tgt Ion:178 Resp: 613981  
Ion Ratio Lower Upper  
178 100  
176 19.2 15.8 23.6  
179 15.4 13.0 19.4



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: 9.05 ng

RT: 11.40 min Scan# 859

Delta R.T. -0.03 min

Lab File: BF087852.D

Acq: 9 Jun 2016 15:04

Instrument :

BNA\_F

ClientSampleId :

SS-30

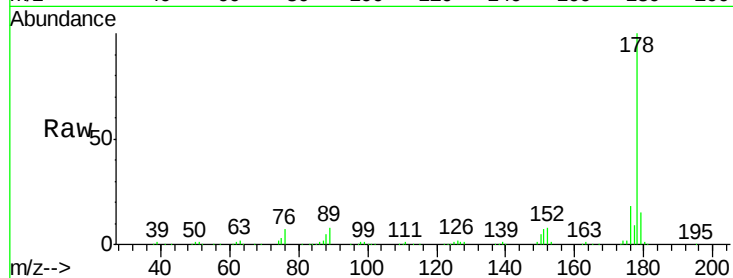
Tgt Ion:178 Resp: 171353

Ion Ratio Lower Upper

178 100

176 17.9 15.6 23.4

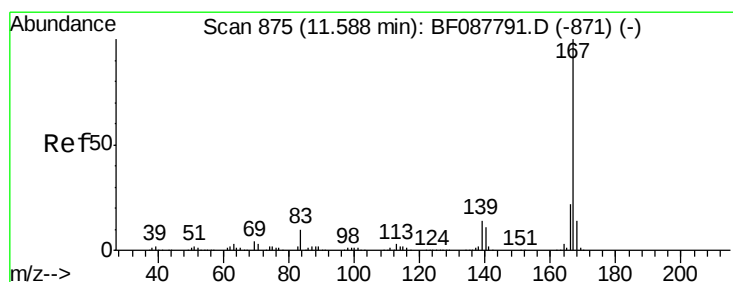
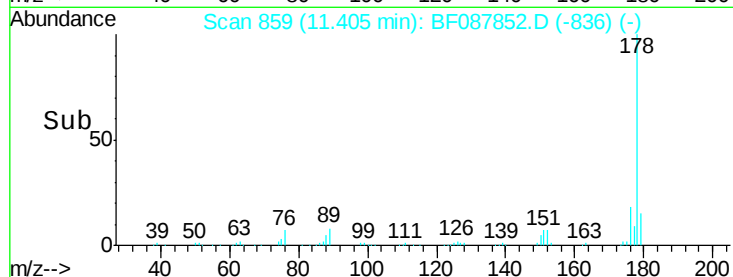
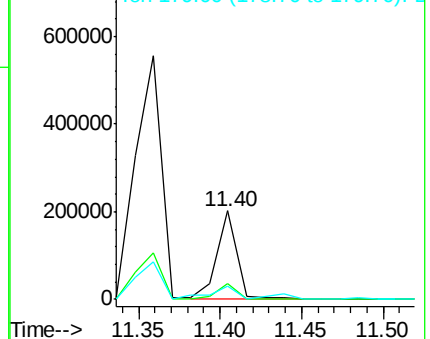
179 15.5 12.8 19.2



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: 3.74 ng

RT: 11.55 min Scan# 872

Delta R.T. -0.03 min

Lab File: BF087852.D

Acq: 9 Jun 2016 15:04

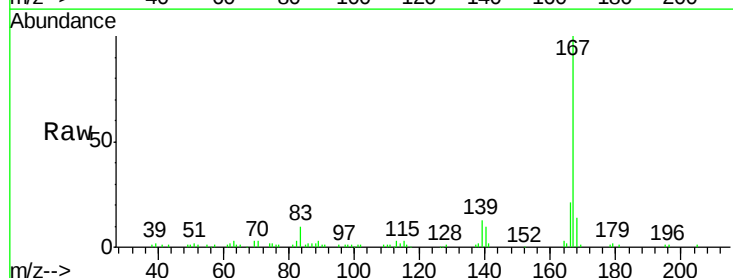
Tgt Ion:167 Resp: 66301

Ion Ratio Lower Upper

167 100

166 21.0 17.8 26.6

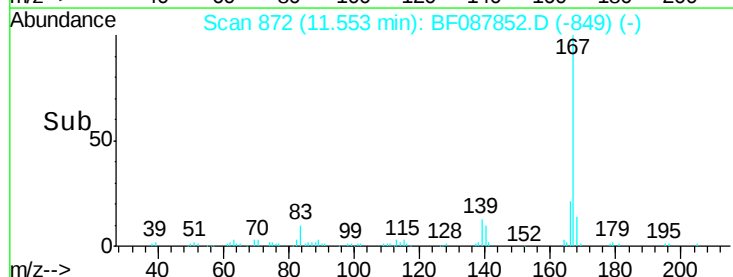
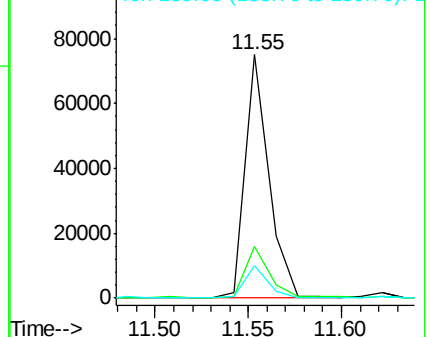
139 13.1 11.2 16.8

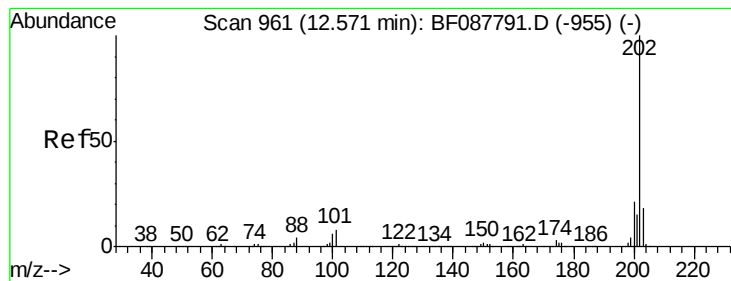


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 23.46 ng

RT: 12.54 min Scan# 958

Delta R.T. -0.03 min

Lab File: BF087852.D

Acq: 9 Jun 2016 15:04

Instrument :

BNA\_F

ClientSampleId :

SS-30

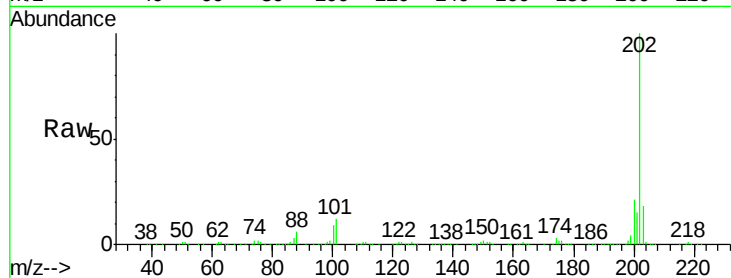
Tgt Ion:202 Resp: 464495

Ion Ratio Lower Upper

202 100

101 12.2 0.0 33.1

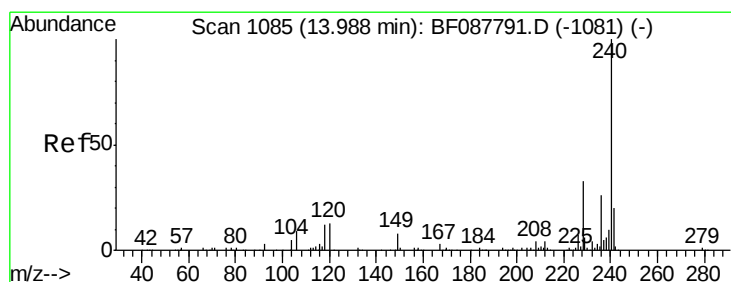
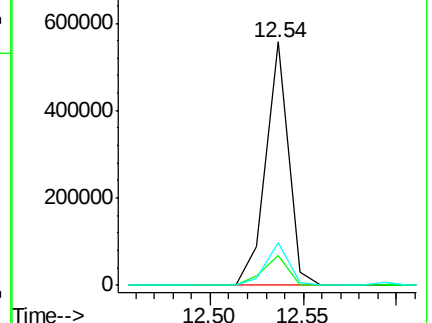
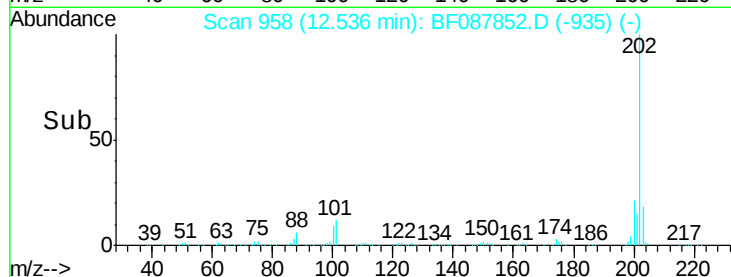
203 17.7 0.0 38.1



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.95 min Scan# 1082

Delta R.T. -0.03 min

Lab File: BF087852.D

Acq: 9 Jun 2016 15:04

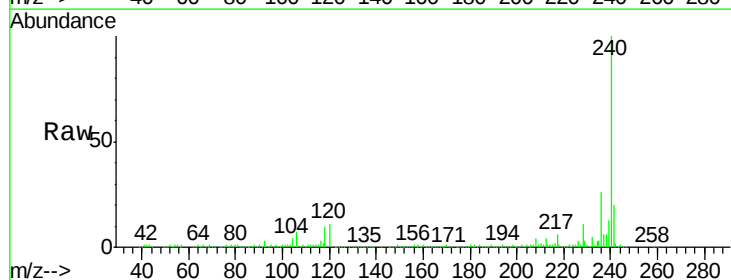
Tgt Ion:240 Resp: 231169

Ion Ratio Lower Upper

240 100

120 11.3 6.8 10.2#

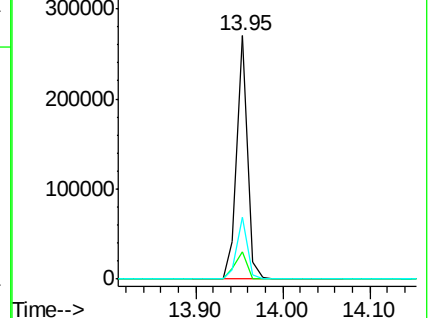
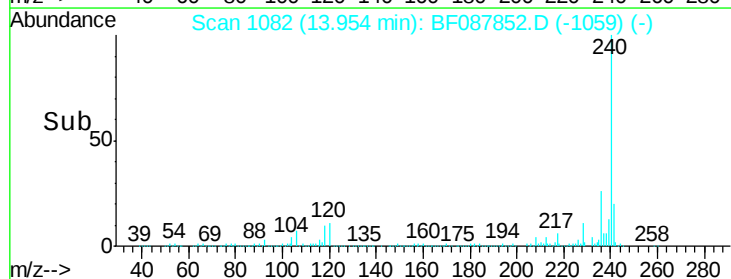
236 25.5 20.2 30.2

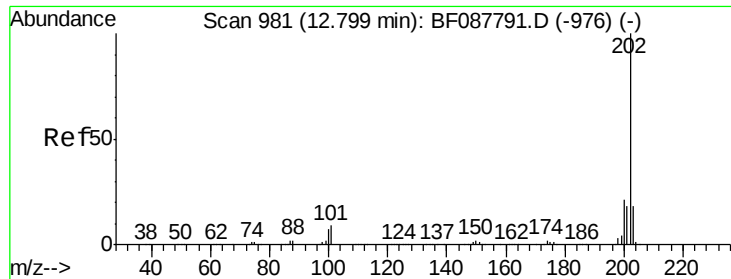


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 23.56 ng

RT: 12.76 min Scan# 978

Delta R.T. -0.03 min

Lab File: BF087852.D

Acq: 9 Jun 2016 15:04

Instrument :

BNA\_F

ClientSampleId :

SS-30

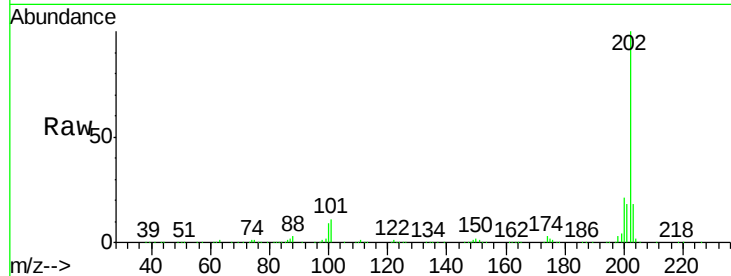
Tgt Ion:202 Resp: 404136

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

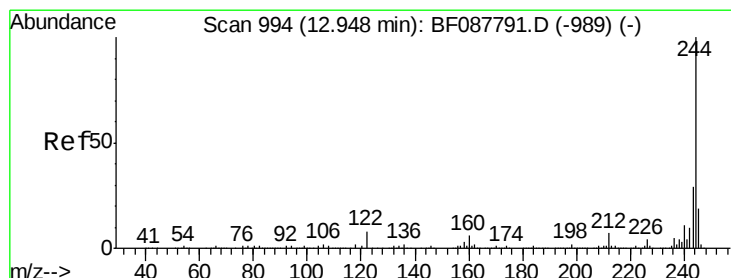
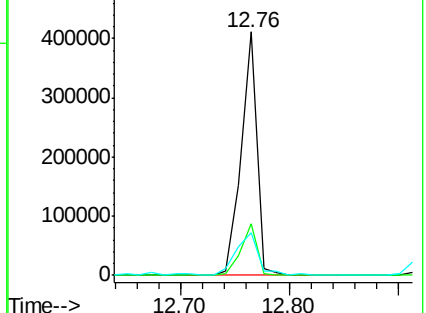
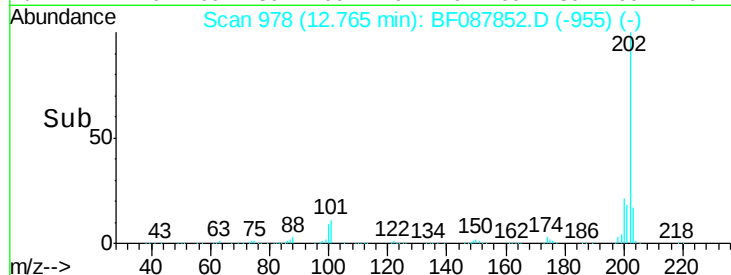
203 17.7 14.5 21.7



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: 15.01 ng

RT: 12.91 min Scan# 991

Delta R.T. -0.03 min

Lab File: BF087852.D

Acq: 9 Jun 2016 15:04

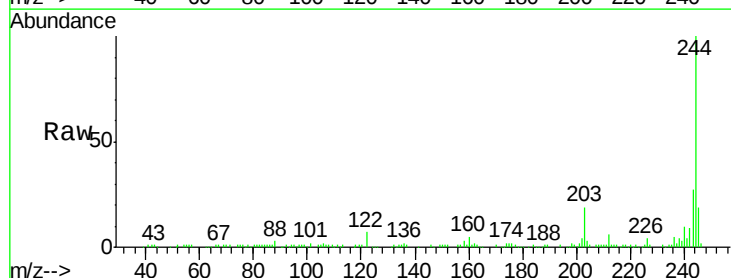
Tgt Ion:244 Resp: 152434

Ion Ratio Lower Upper

244 100

212 5.8 6.0 9.0#

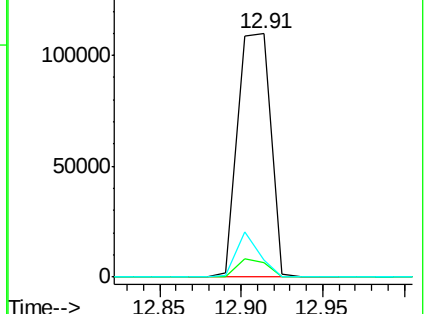
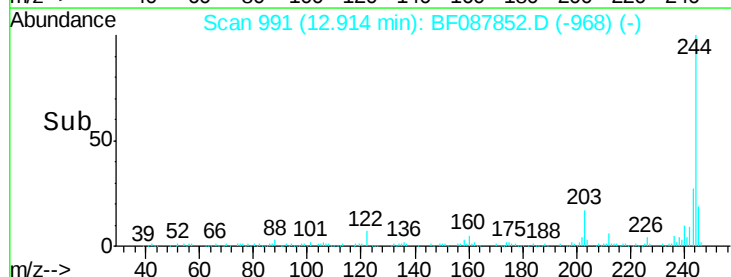
122 6.9 11.2 16.8#

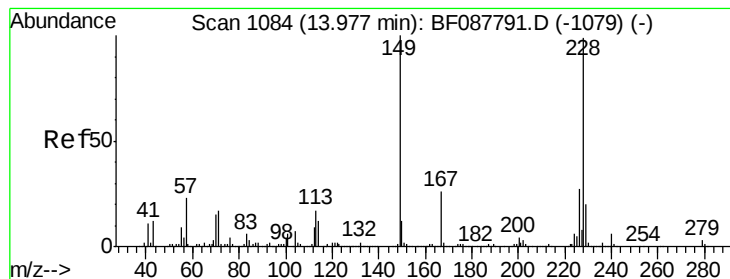


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 13.88 ng

RT: 13.94 min Scan# 1081

Delta R.T. -0.03 min

Lab File: BF087852.D

Acq: 9 Jun 2016 15:04

Instrument :

BNA\_F

ClientSampleId :

SS-30

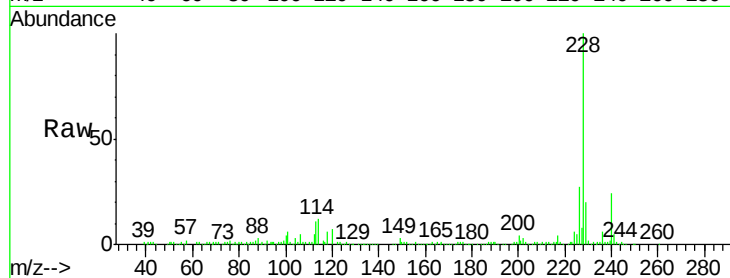
Tgt Ion:228 Resp: 182820

Ion Ratio Lower Upper

228 100

226 26.7 22.3 33.5

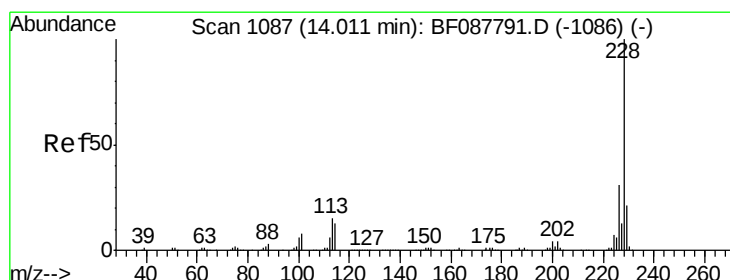
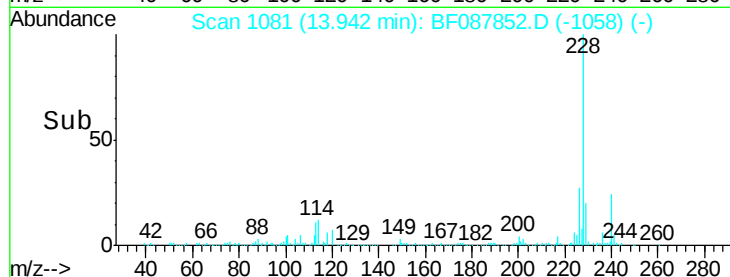
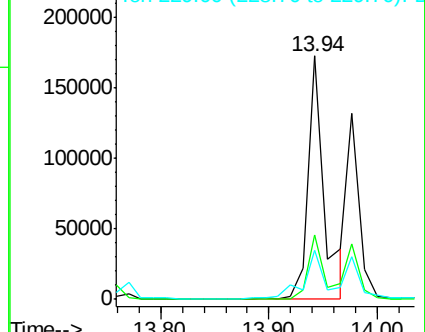
229 20.1 16.0 24.0



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: 8.64 ng

RT: 13.98 min Scan# 1084

Delta R.T. -0.03 min

Lab File: BF087852.D

Acq: 9 Jun 2016 15:04

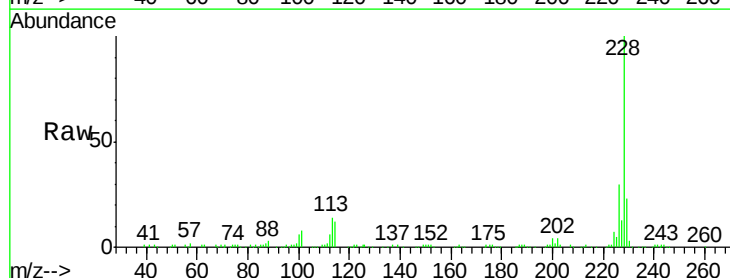
Tgt Ion:228 Resp: 107101

Ion Ratio Lower Upper

228 100

226 30.0 25.4 38.2

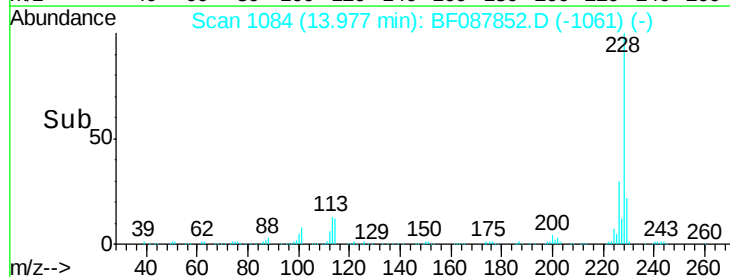
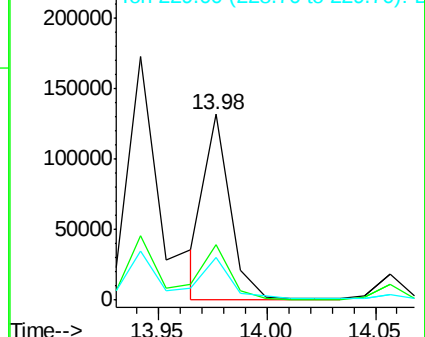
229 22.9 16.3 24.5

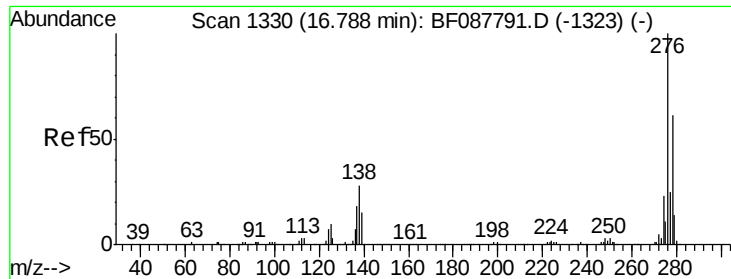


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 7.16 ng

RT: 16.71 min Scan# 1323

Delta R.T. -0.08 min

Lab File: BF087852.D

Acq: 9 Jun 2016 15:04

Instrument :

BNA\_F

ClientSampleId :

SS-30

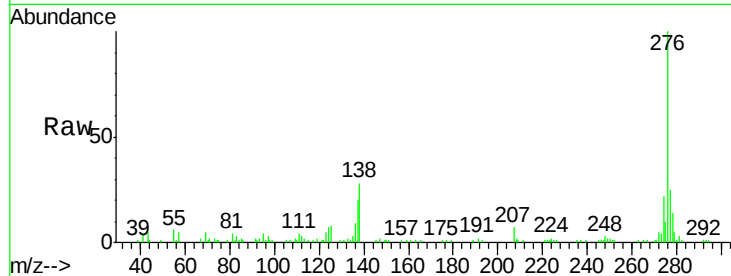
Tgt Ion:276 Resp: 82435

Ion Ratio Lower Upper

276 100

138 25.9 0.0 0.0#

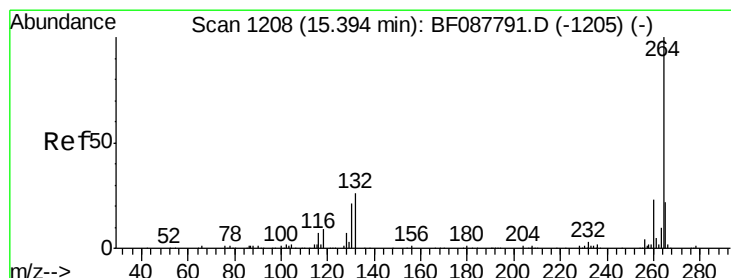
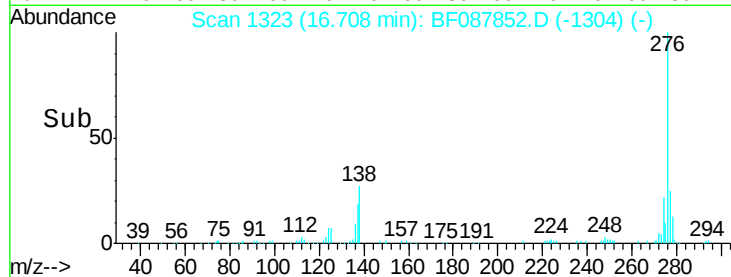
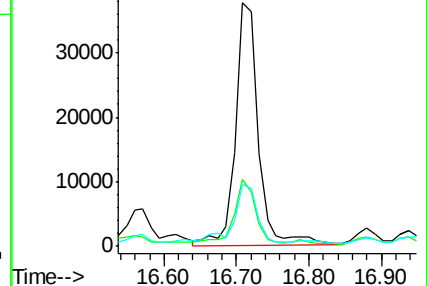
277 28.2 0.0 0.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.36 min Scan# 1205

Delta R.T. -0.03 min

Lab File: BF087852.D

Acq: 9 Jun 2016 15:04

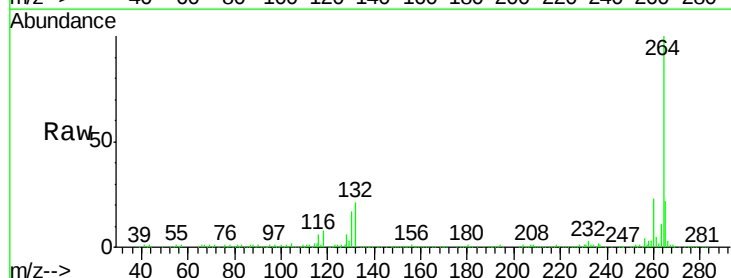
Tgt Ion:264 Resp: 243191

Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

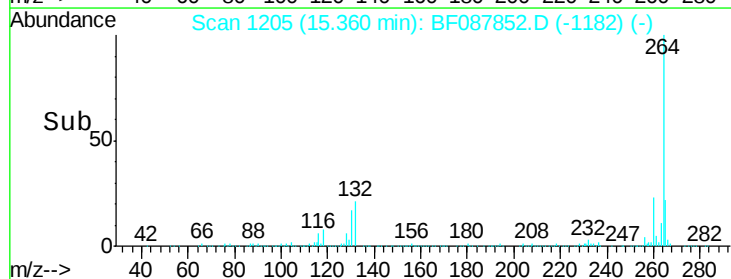
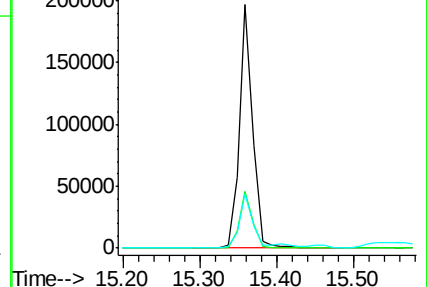
265 22.3 16.9 25.3

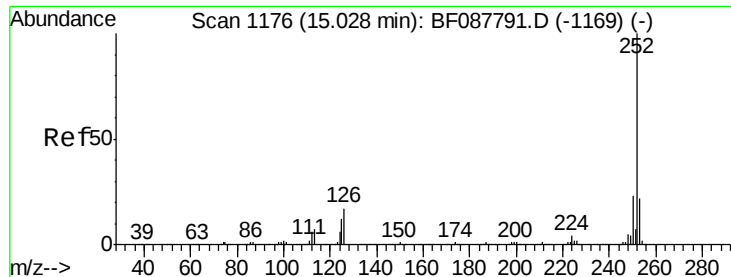


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

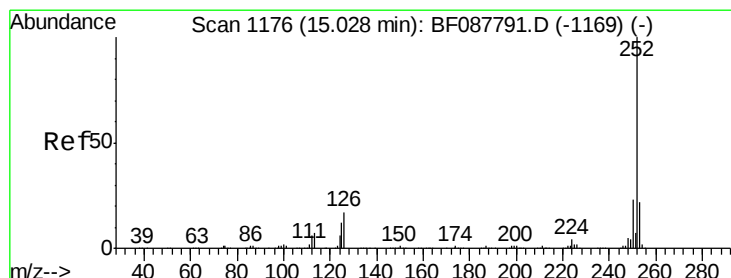
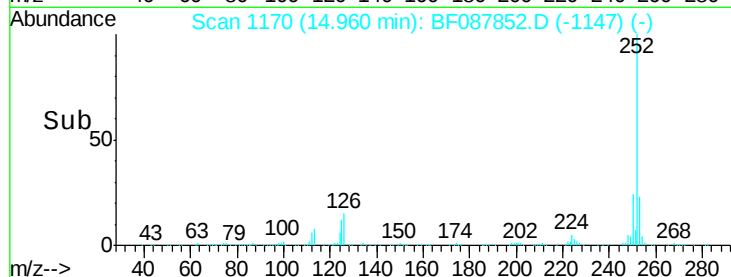
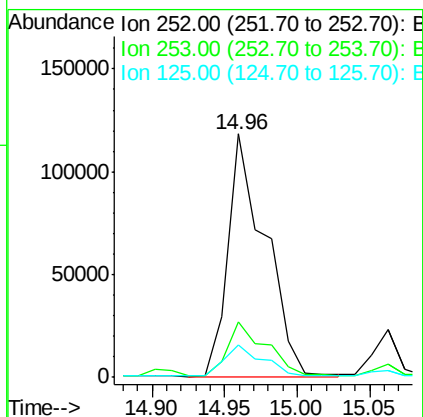
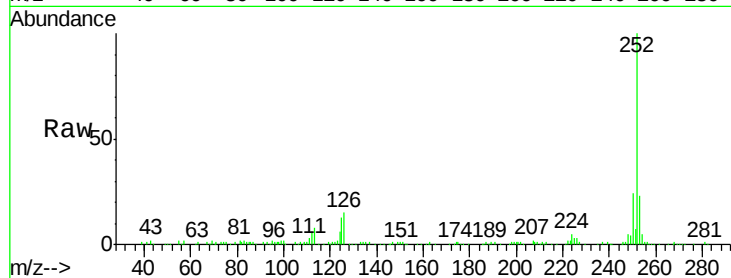




#87  
Benzo(b)fluoranthene  
Concen: 12.38 ng  
RT: 14.96 min Scan# 1170  
Delta R.T. -0.03 min  
Lab File: BF087852.D  
Acq: 9 Jun 2016 15:04

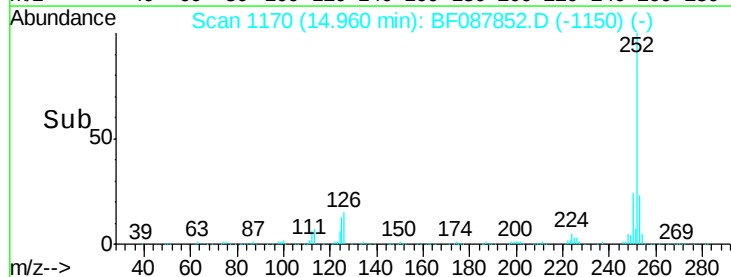
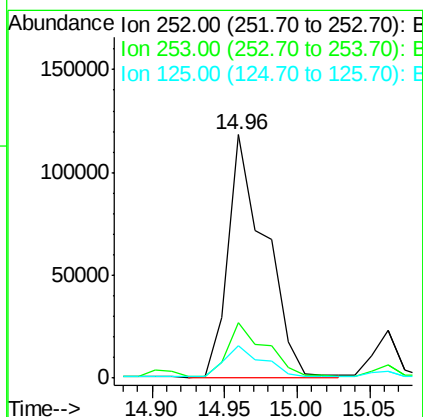
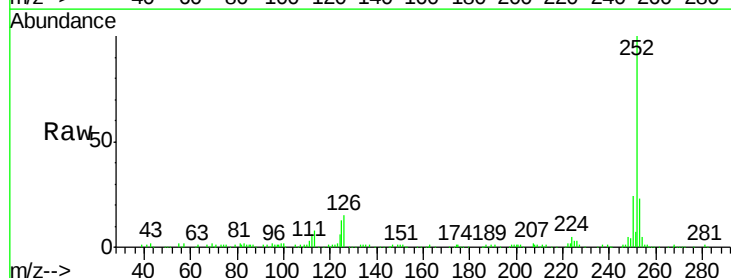
Instrument :  
BNA\_F  
ClientSampleId :  
SS-30

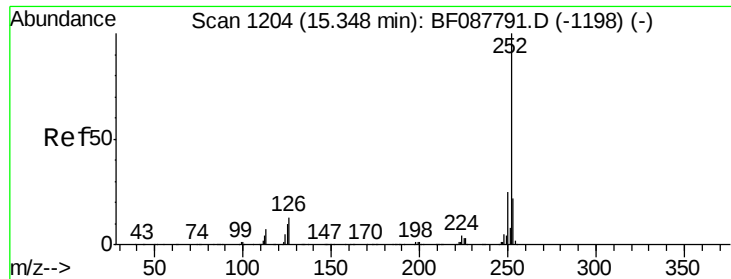
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.0  | 17.4  | 26.2  |
| 125     | 13.1  | 7.1   | 10.7# |



#88  
Benzo(k)fluoranthene  
Concen: 16.41 ng  
RT: 14.96 min Scan# 1170  
Delta R.T. -0.07 min  
Lab File: BF087852.D  
Acq: 9 Jun 2016 15:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.0  | 18.0  | 27.0  |
| 125     | 13.1  | 11.2  | 16.8  |





#89

Benzo(a)pyrene

Concen: 5.77 ng

RT: 15.25 min Scan# 1195

Delta R.T. -0.10 min

Lab File: BF087852.D

Acq: 9 Jun 2016 15:04

Instrument :

BNA\_F

ClientSampleID :

SS-30

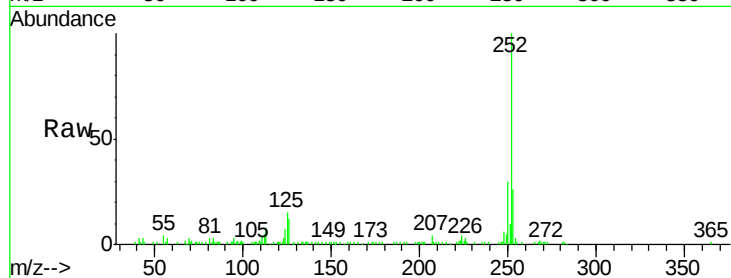
Tgt Ion:252 Resp: 79174

Ion Ratio Lower Upper

252 100

253 25.9 17.9 26.9

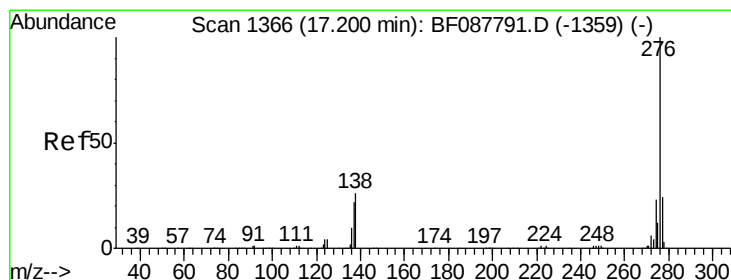
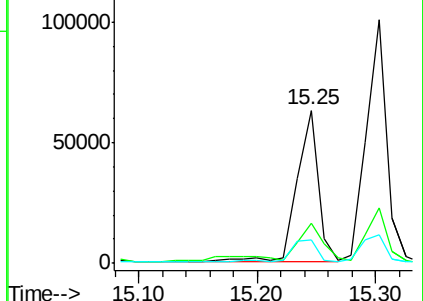
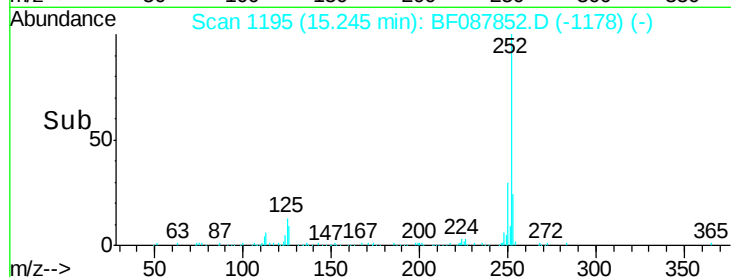
125 15.1 12.5 18.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 5.53 ng

RT: 17.12 min Scan# 1359

Delta R.T. -0.08 min

Lab File: BF087852.D

Acq: 9 Jun 2016 15:04

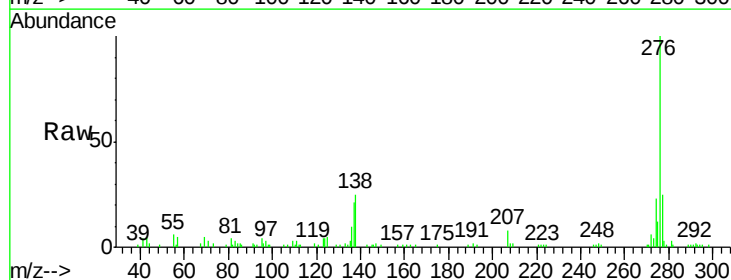
Tgt Ion:276 Resp: 72412

Ion Ratio Lower Upper

276 100

277 25.1 18.9 28.3

138 24.6 21.4 32.2



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

