

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF031816\  
 Data File : BF085591.D  
 Acq On : 19 Mar 2016 23:41  
 Operator : UM/SJ  
 Sample : H1796-04RE 5X  
 Misc :  
 ALS Vial : 52 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 AOU2-SB04(5-8)RE

Quant Time: Mar 21 00:05:45 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF031816.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 18 23:31:39 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.01  | 152  | 10635    | 20.00 | ng    | 0.15     |
| 21) Naphthalene-d8        | 8.14  | 136  | 561090   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.89  | 164  | 221119   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10      | 11.37 | 188  | 363935   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12          | 14.01 | 240  | 275845   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.43 | 264  | 285323   | 20.00 | ng    | -0.01    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.45  | 112  | 19608    | 30.97 | ng    | 0.00     |
| 7) Phenol-d6                | 6.48  | 99   | 27386    | 33.72 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.42  | 82   | 14290    | 1.48  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.68 | 330  | 3807     | 1.76  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.21  | 172  | 33051    | 0.66  | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.95 | 244  | 20358    | 1.78  | ng    | -0.01    |

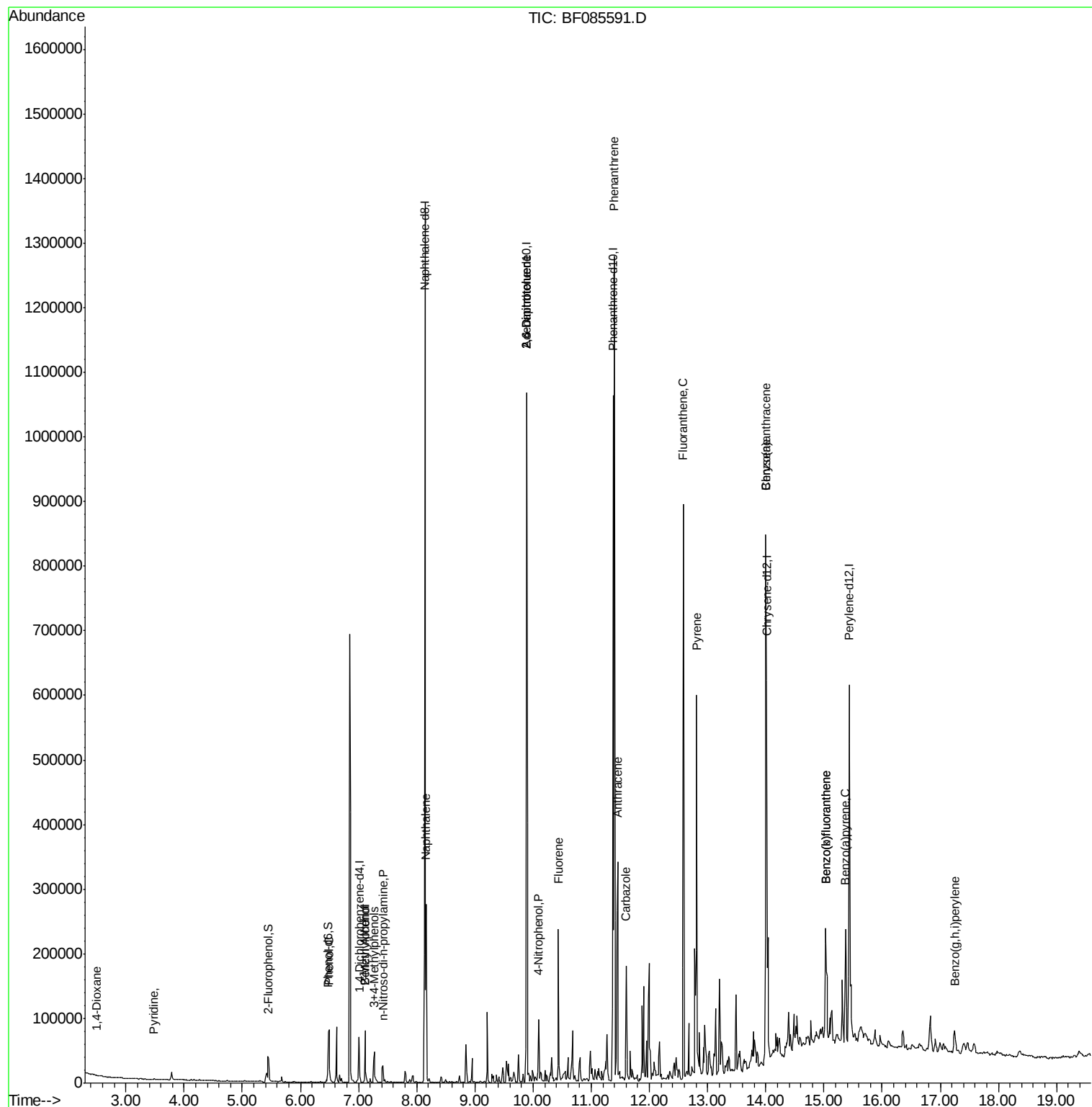
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units | Qvalue |
|--------------------------------|-------|------|----------|-----------|-------|--------|
| 2) 1,4-Dioxane                 | 2.49  | 88   | 774      | 2.51      | ng    | # 36   |
| 3) Pyridine                    | 3.48  | 79   | 1588     | 2.10      | ng    | # 1    |
| 9) Benzaldehyde                | 6.62  | 77   | 499      | Below Cal |       | # 72   |
| 10) Phenol                     | 6.49  | 94   | 28059    | 30.34     | ng    | 95     |
| 15) Benzyl Alcohol             | 7.11  | 79   | 2675     | 4.81      | ng    | # 1    |
| 17) 2-Methylphenol             | 7.11  | 107  | 6263     | 10.32     | ng    | 97     |
| 19) n-Nitroso-di-n-propylamine | 7.42  | 70   | 1695     | 3.49      | ng    | # 81   |
| 20) 3+4-Methylphenols          | 7.27  | 107  | 17950    | 25.52     | ng    | # 55   |
| 31) Naphthalene                | 8.16  | 128  | 129766   | 4.58      | ng    | 98     |
| 50) 2,6-Dinitrotoluene         | 9.89  | 165  | 28369    | 8.05      | ng    | # 19   |
| 55) 4-Nitrophenol              | 10.09 | 139  | 11583    | 3.40      | ng    | # 11   |
| 56) 2,4-Dinitrotoluene         | 9.89  | 165  | 28372    | 6.15      | ng    | # 37   |
| 57) Fluorene                   | 10.44 | 166  | 61053    | 4.25      | ng    | 100    |
| 70) Phenanthrene               | 11.40 | 178  | 452507   | 23.58     | ng    | 100    |
| 71) Anthracene                 | 11.45 | 178  | 192207   | 9.55      | ng    | 96     |
| 72) Carbazole                  | 11.60 | 167  | 64397    | 3.71      | ng    | 99     |
| 74) Fluoranthene               | 12.59 | 202  | 336862   | 16.77     | ng    | 92     |
| 77) Pyrene                     | 12.81 | 202  | 237068   | 11.97     | ng    | 99     |
| 80) Benzo(a)anthracene         | 14.00 | 228  | 142314   | 8.89      | ng    | # 89   |
| 82) Chrysene                   | 14.00 | 228  | 142314   | 9.24      | ng    | 93     |
| 87) Benzo(b)fluoranthene       | 15.03 | 252  | 139578   | 7.50      | ng    | 98     |
| 88) Benzo(k)fluoranthene       | 15.03 | 252  | 139578   | 9.10      | ng    | # 96   |
| 89) Benzo(a)pyrene             | 15.37 | 252  | 79677    | 5.05      | ng    | 99     |
| 91) Benzo(g,h,i)perylene       | 17.25 | 276  | 28937    | 2.27      | ng    | 96     |

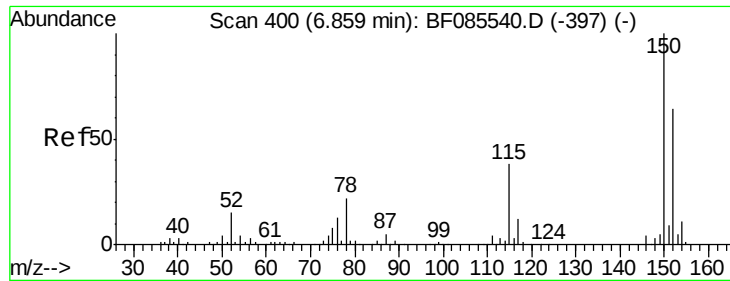
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 18 23:31:39 2016  
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.01 min Scan# 413

Delta R.T. 0.15 min

Lab File: BF085591.D

Acq: 19 Mar 2016 23:41

Instrument :

BNA\_F

ClientSampleId :

AOU2-SB04(5-8)RE

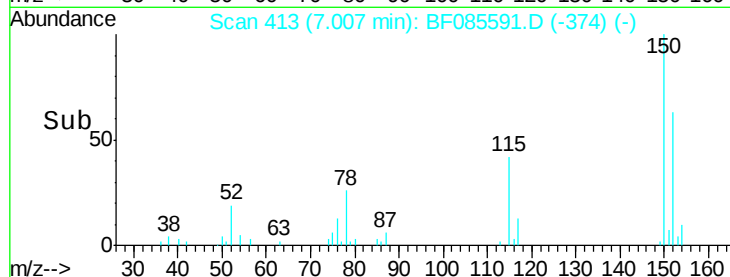
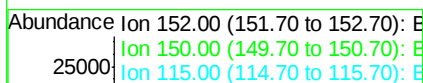
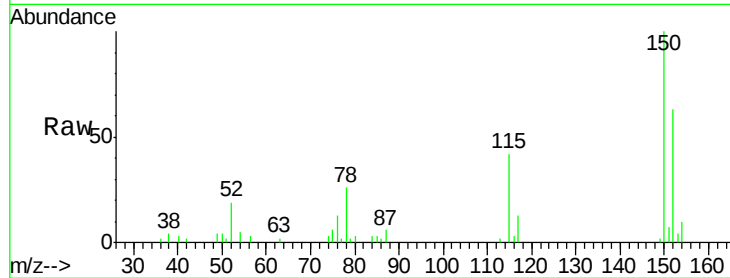
Tgt Ion:152 Resp: 10635

Ion Ratio Lower Upper

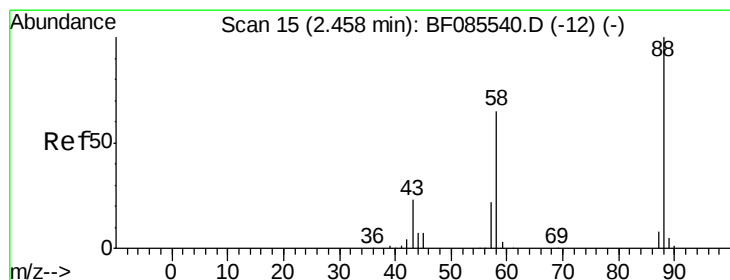
152 100

150 158.2 124.2 186.2

115 66.8 47.0 70.6



Time-->



#2

1,4-Dioxane

Concen: 2.51 ng

RT: 2.49 min Scan# 18

Delta R.T. 0.03 min

Lab File: BF085591.D

Acq: 19 Mar 2016 23:41

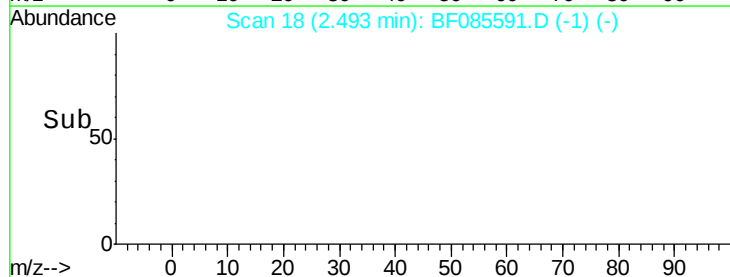
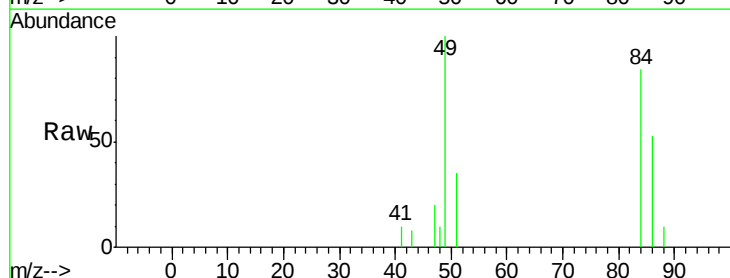
Tgt Ion: 88 Resp: 774

Ion Ratio Lower Upper

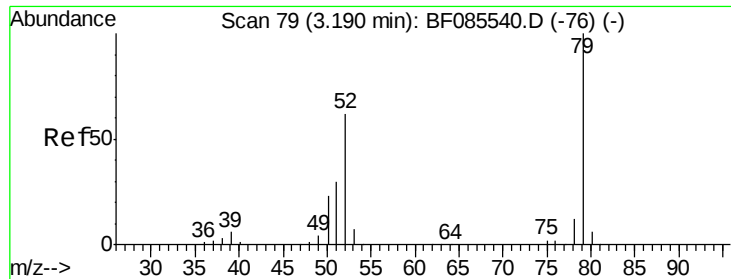
88 100

58 0.0 54.2 81.2#

43 27.8 19.3 28.9



Time-->



#3

Pyridine

Concen: 2.10 ng

RT: 3.48 min Scan# 104

Delta R.T. 0.29 min

Lab File: BF085591.D

Acq: 19 Mar 2016 23:41

Instrument :

BNA\_F

ClientSampleId :

AOU2-SB04(5-8)RE

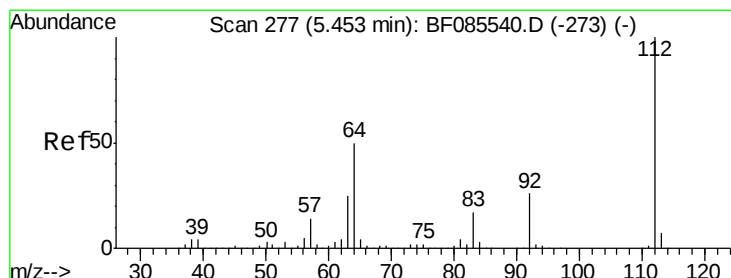
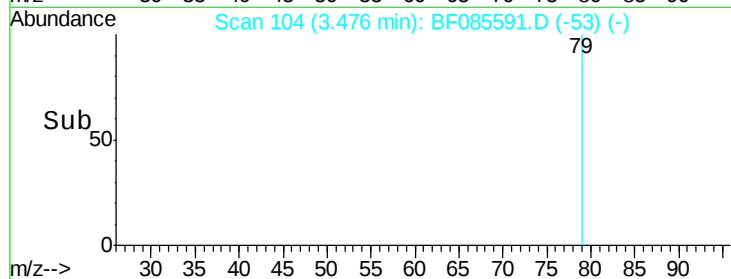
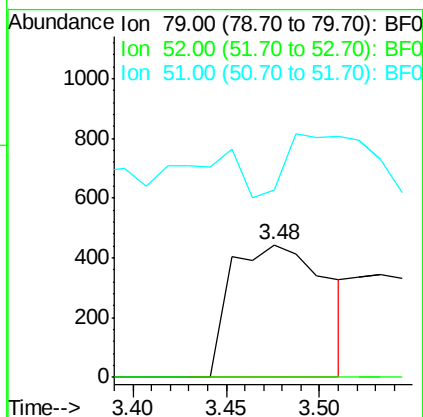
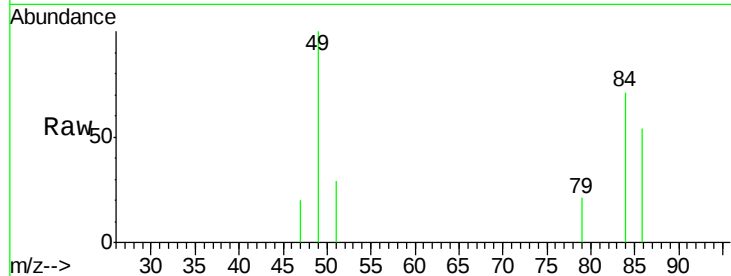
Tgt Ion: 79 Resp: 1588

Ion Ratio Lower Upper

79 100

52 0.0 49.8 74.6#

51 141.8 24.7 37.1#



#5

2-Fluorophenol

Concen: 30.97 ng

RT: 5.45 min Scan# 277

Delta R.T. 0.00 min

Lab File: BF085591.D

Acq: 19 Mar 2016 23:41

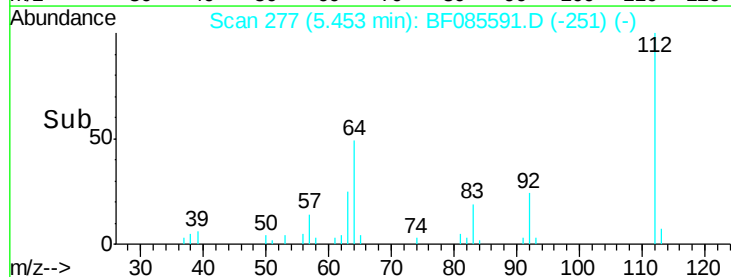
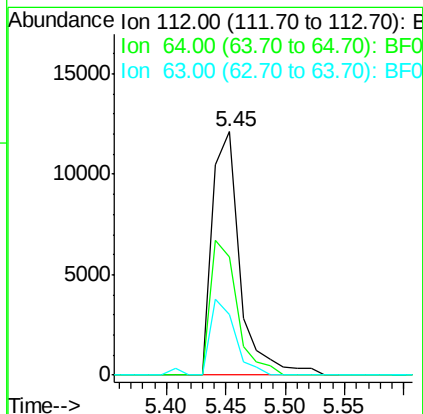
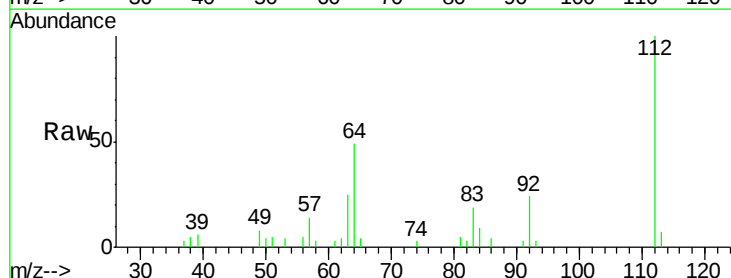
Tgt Ion: 112 Resp: 19608

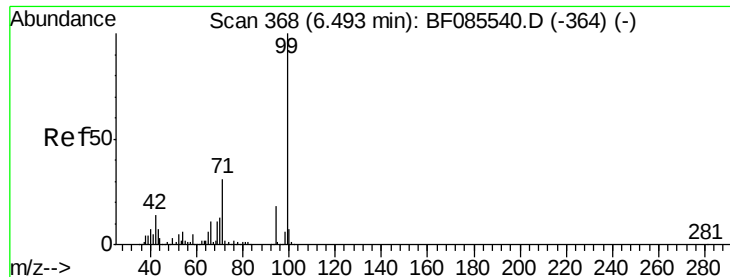
Ion Ratio Lower Upper

112 100

64 48.6 39.9 59.9

63 25.1 20.2 30.2





#7

Phenol-d6

Concen: 33.72 ng

RT: 6.48 min Scan# 367

Delta R.T. -0.01 min

Lab File: BF085591.D

Acq: 19 Mar 2016 23:41

Instrument :

BNA\_F

ClientSampleId :

AOU2-SB04(5-8)RE

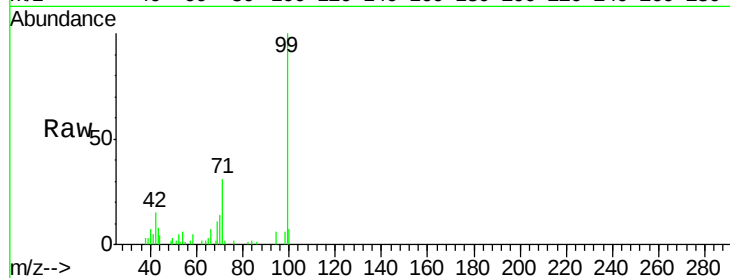
Tgt Ion: 99 Resp: 27386

Ion Ratio Lower Upper

99 100

42 14.7 11.1 16.7

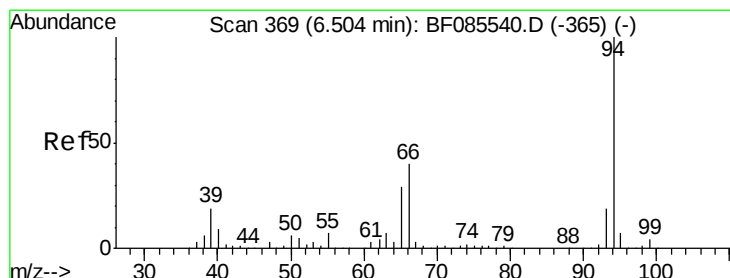
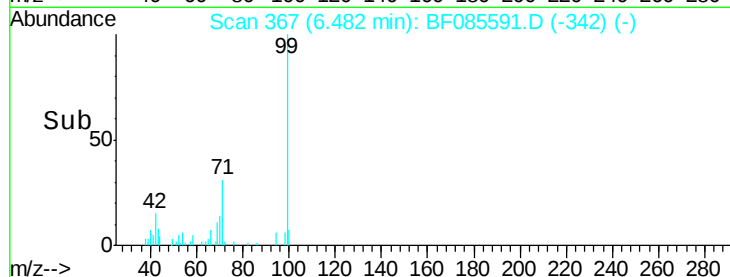
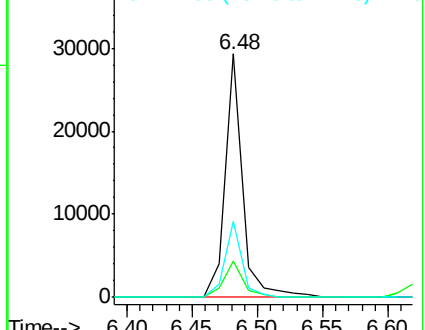
71 31.3 24.9 37.3



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: 30.34 ng

RT: 6.49 min Scan# 368

Delta R.T. -0.01 min

Lab File: BF085591.D

Acq: 19 Mar 2016 23:41

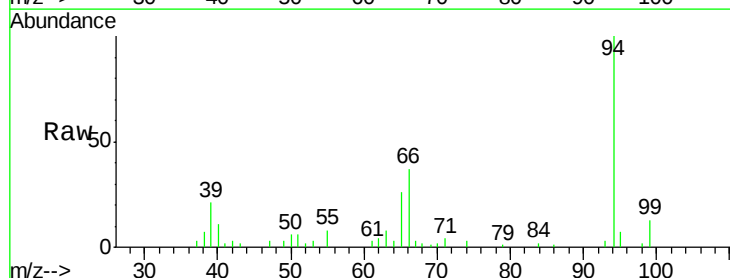
Tgt Ion: 94 Resp: 28059

Ion Ratio Lower Upper

94 100

65 26.4 8.6 48.6

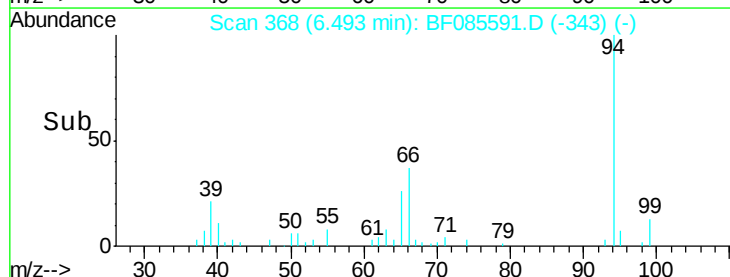
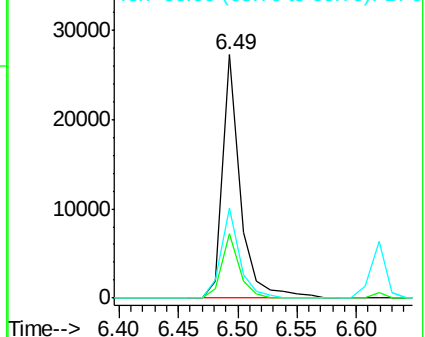
66 36.9 20.0 60.0

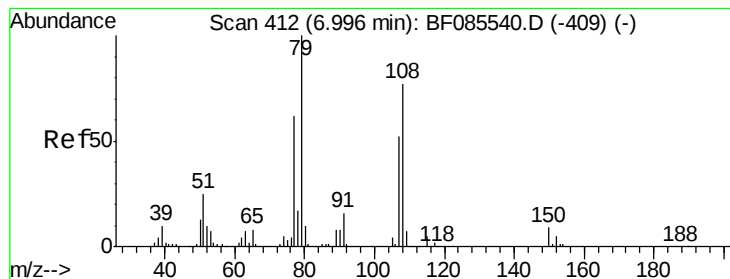


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 4.81 ng

RT: 7.11 min Scan# 422

Delta R.T. 0.11 min

Lab File: BF085591.D

Acq: 19 Mar 2016 23:41

Instrument :

BNA\_F

ClientSampleId :

AOU2-SB04(5-8)RE

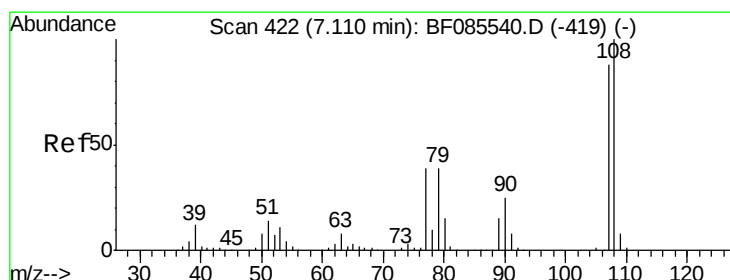
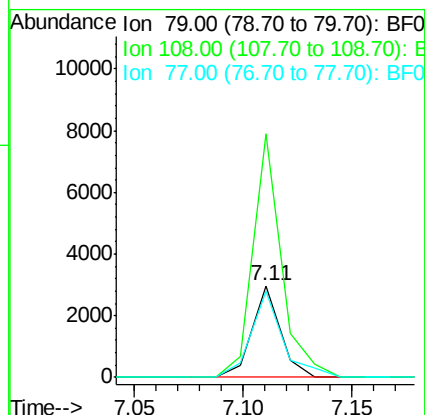
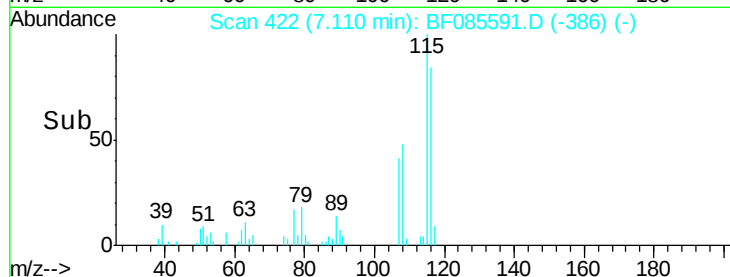
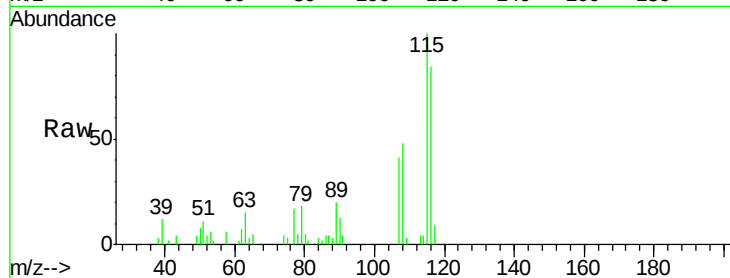
Tgt Ion: 79 Resp: 2675

Ion Ratio Lower Upper

79 100

108 266.7 61.8 92.6#

77 94.8 49.6 74.4#



#17

2-Methylphenol

Concen: 10.32 ng

RT: 7.11 min Scan# 422

Delta R.T. 0.00 min

Lab File: BF085591.D

Acq: 19 Mar 2016 23:41

Tgt Ion: 107 Resp: 6263

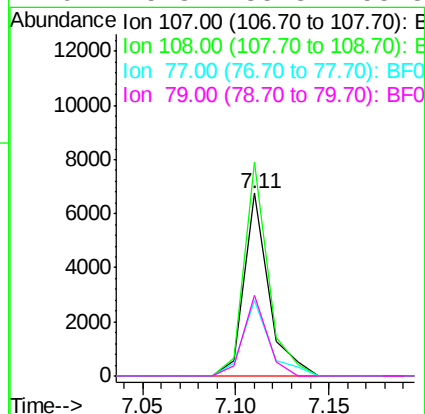
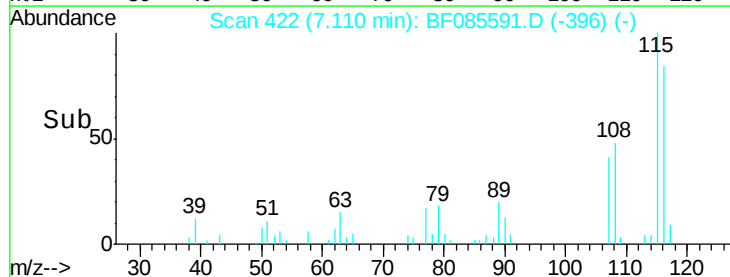
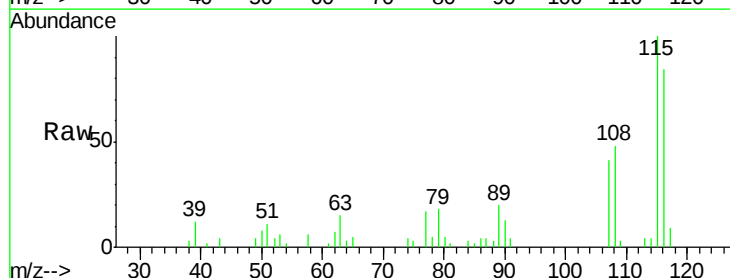
Ion Ratio Lower Upper

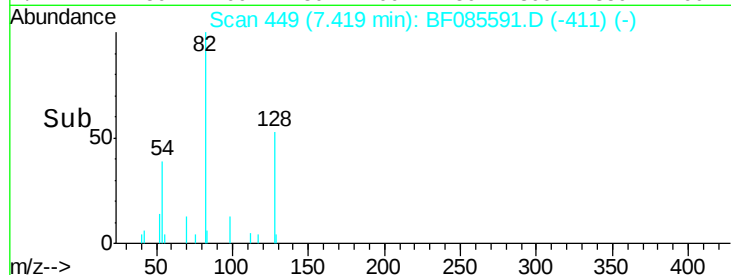
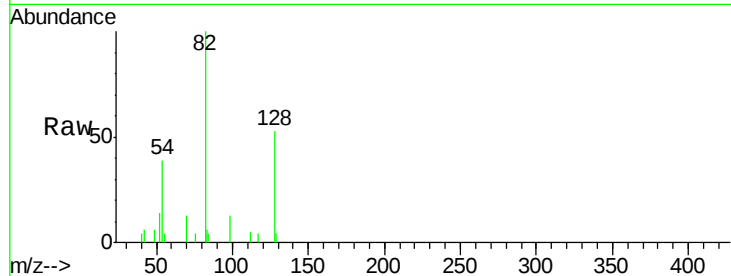
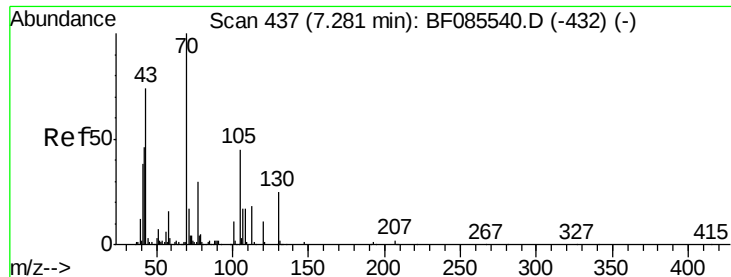
107 100

108 116.8 91.4 137.0

77 41.5 36.2 54.2

79 43.8 35.8 53.8

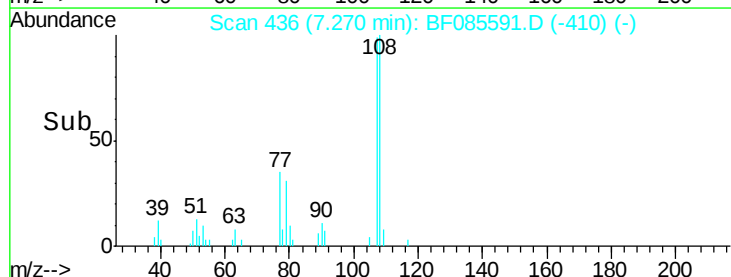
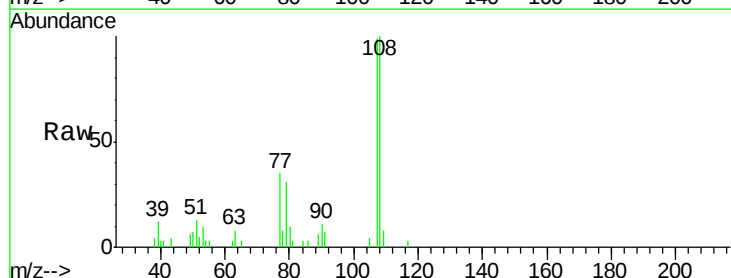
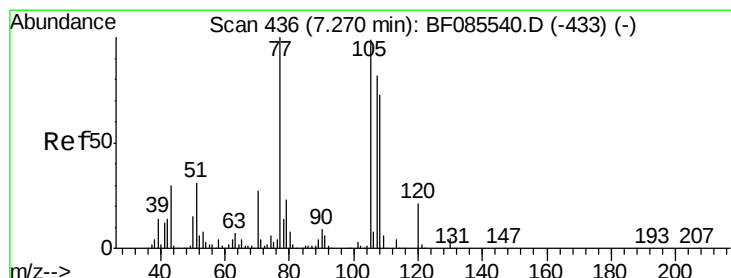
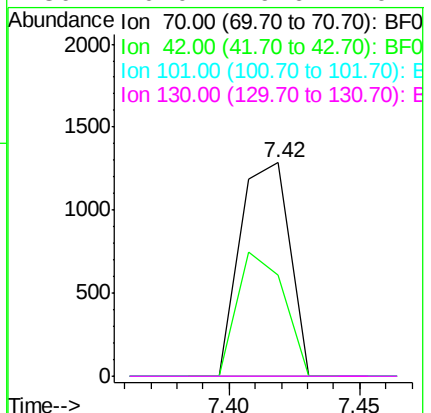




#19  
n-Nitroso-di-n-propylamine  
Concen: 3.49 ng  
RT: 7.42 min Scan# 449  
Delta R.T. 0.14 min  
Lab File: BF085591.D  
Acq: 19 Mar 2016 23:41

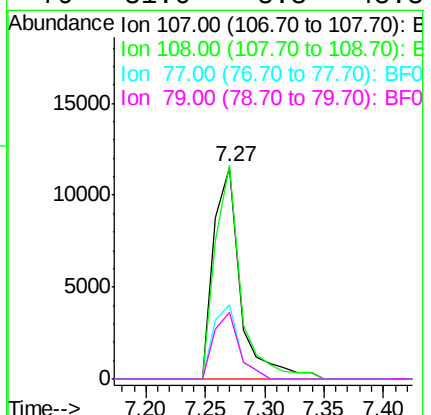
Instrument :  
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ClientSampleId :  
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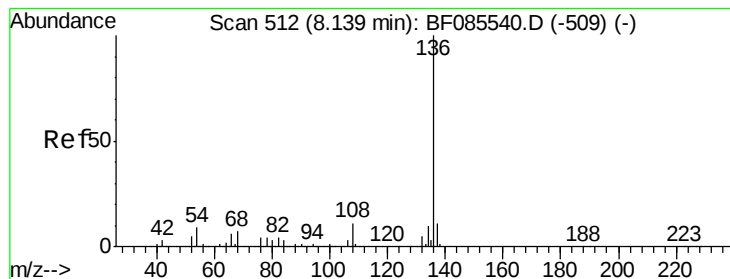
Tgt Ion: 70 Resp: 1695  
Ion Ratio Lower Upper  
70 100  
42 47.0 37.1 55.7  
101 0.0 8.6 12.8#  
130 0.0 19.6 29.4#



#20  
3+4-Methylphenols  
Concen: 25.52 ng  
RT: 7.27 min Scan# 436  
Delta R.T. 0.00 min  
Lab File: BF085591.D  
Acq: 19 Mar 2016 23:41

Tgt Ion: 107 Resp: 17950  
Ion Ratio Lower Upper  
107 100  
108 101.0 69.3 109.3  
77 35.2 101.7 141.7#  
79 31.6 8.3 48.3





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 512

Delta R.T. 0.00 min

Lab File: BF085591.D

Acq: 19 Mar 2016 23:41

Instrument :

BNA\_F

ClientSampleId :

AOU2-SB04(5-8)RE

Tgt Ion:136 Resp: 561090

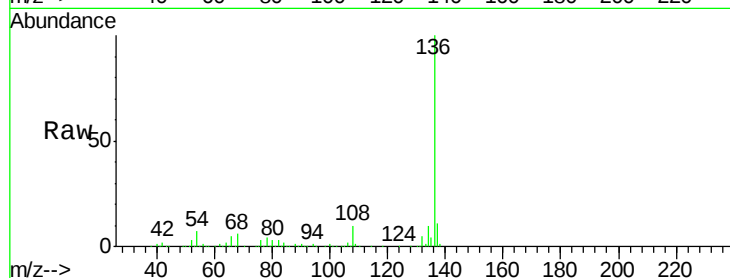
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 6.7 7.4 11.0#

68 5.8 5.8 8.8#

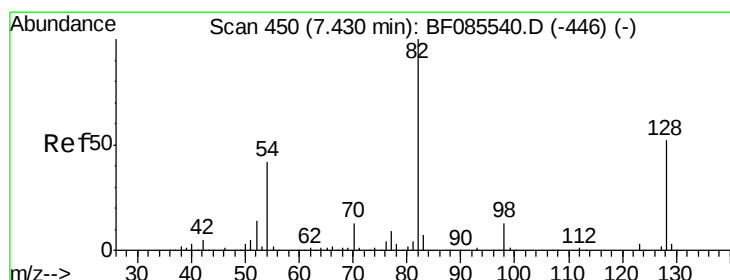
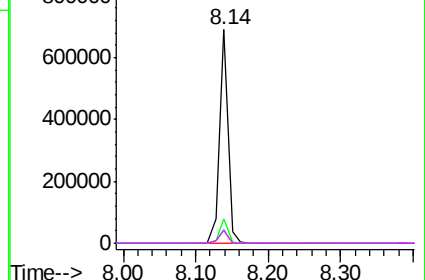
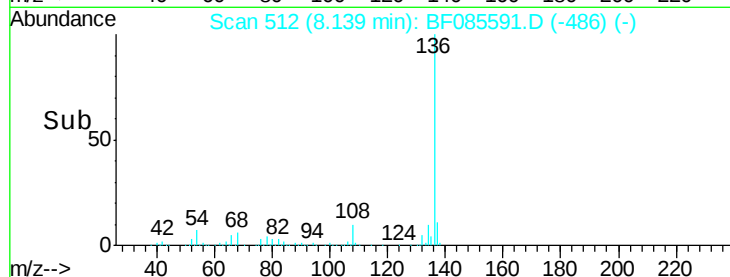


Abundance Ion 136.00 (135.70 to 136.70): E

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: 1.48 ng

RT: 7.42 min Scan# 449

Delta R.T. -0.01 min

Lab File: BF085591.D

Acq: 19 Mar 2016 23:41

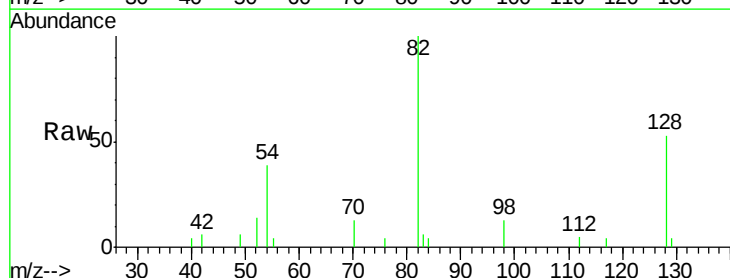
Tgt Ion: 82 Resp: 14290

Ion Ratio Lower Upper

82 100

128 53.5 41.8 62.8

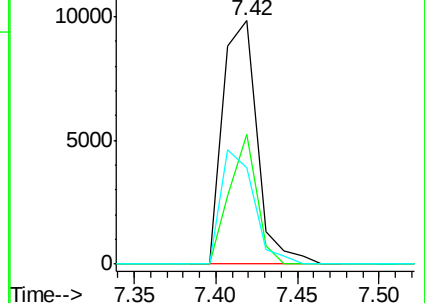
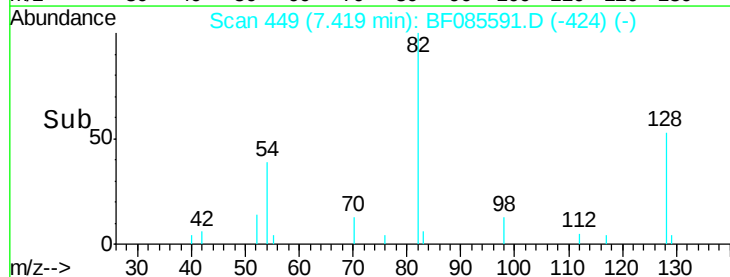
54 39.4 33.4 50.0

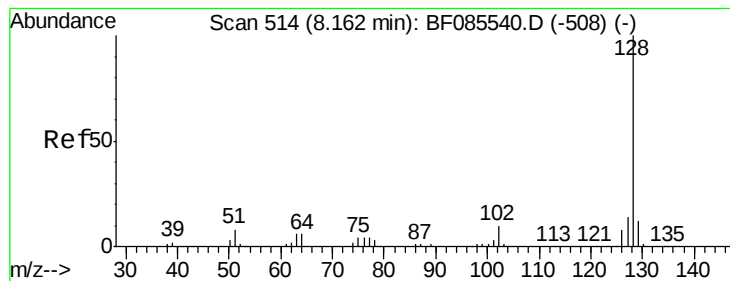


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 4.58 ng

RT: 8.16 min Scan# 514

Delta R.T. 0.00 min

Lab File: BF085591.D

Acq: 19 Mar 2016 23:41

Instrument :

BNA\_F

ClientSampleId :

AOU2-SB04(5-8)RE

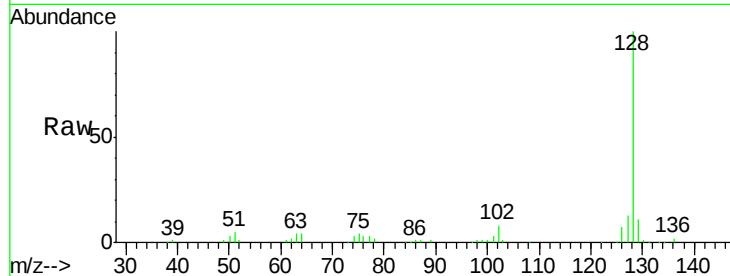
Tgt Ion:128 Resp: 129766

Ion Ratio Lower Upper

128 100

129 11.0 9.4 14.0

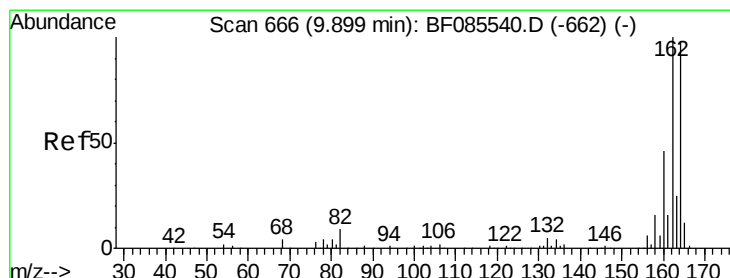
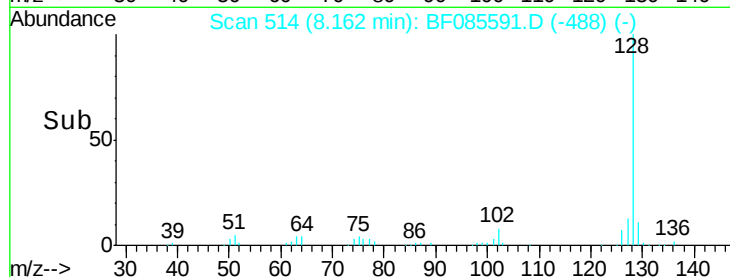
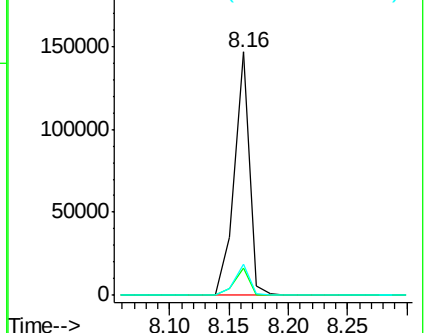
127 12.6 11.0 16.6



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.89 min Scan# 665

Delta R.T. -0.01 min

Lab File: BF085591.D

Acq: 19 Mar 2016 23:41

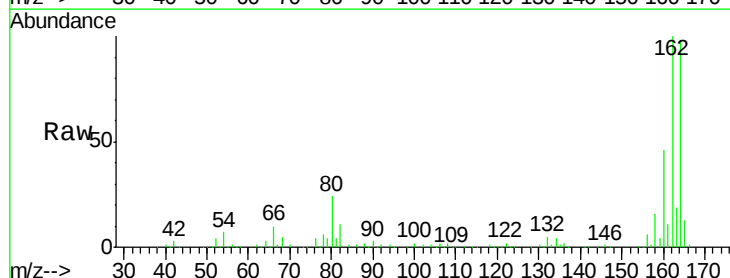
Tgt Ion:164 Resp: 221119

Ion Ratio Lower Upper

164 100

162 102.0 82.1 123.1

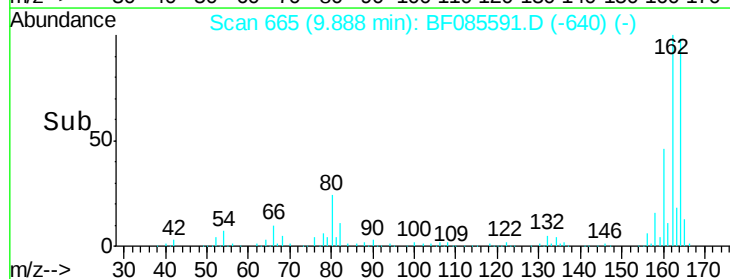
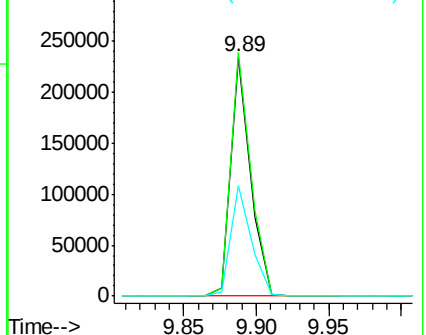
160 46.5 37.4 56.2

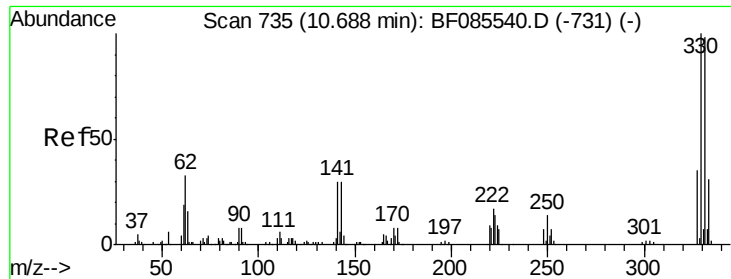


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

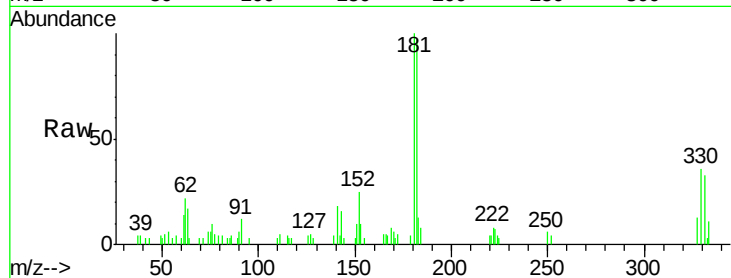




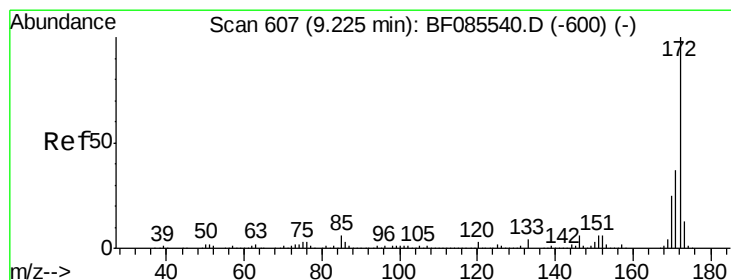
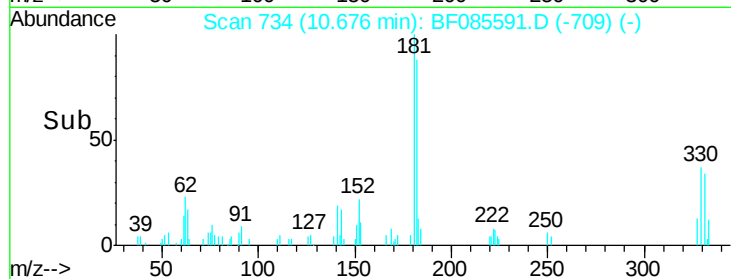
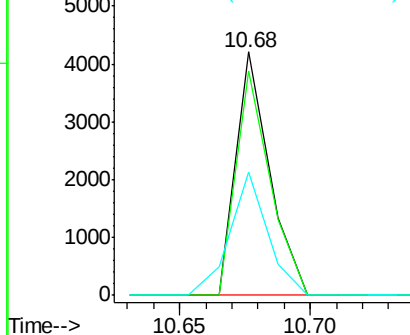
#41  
 2,4,6-Tribromophenol  
 Concen: 1.76 ng  
 RT: 10.68 min Scan# 734  
 Delta R.T. -0.01 min  
 Lab File: BF085591.D  
 Acq: 19 Mar 2016 23:41

Instrument :  
 BNA\_F  
 ClientSampleId :  
 AOU2-SB04(5-8)RE

Tgt Ion:330 Resp: 3807  
 Ion Ratio Lower Upper  
 330 100  
 332 93.9 78.2 117.2  
 141 57.3 31.5 47.3#

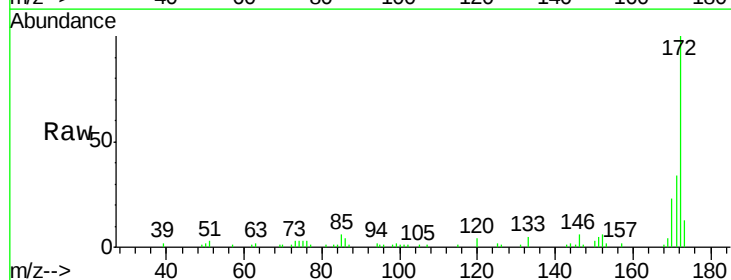


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

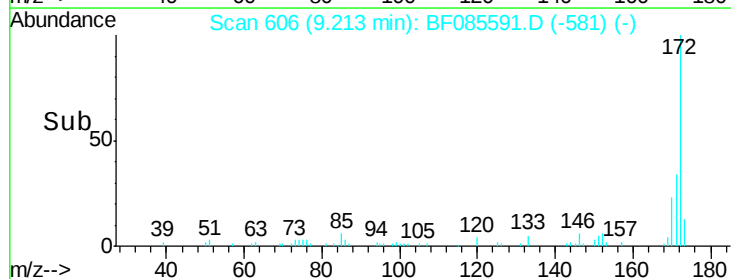
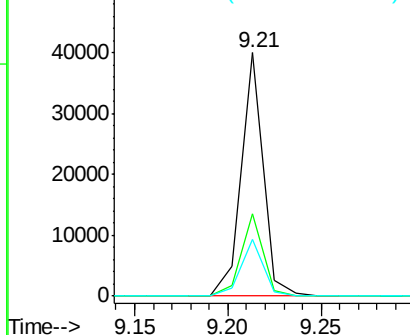


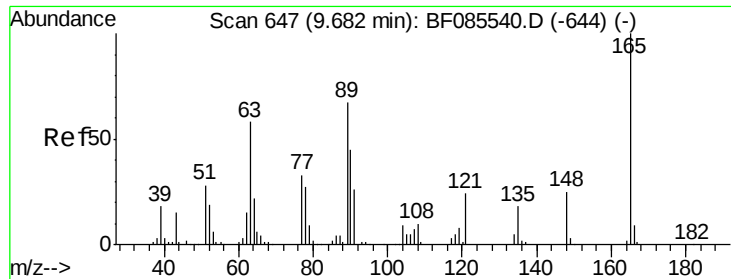
#44  
 2-Fluorobiphenyl  
 Concen: 0.66 ng  
 RT: 9.21 min Scan# 606  
 Delta R.T. -0.01 min  
 Lab File: BF085591.D  
 Acq: 19 Mar 2016 23:41

Tgt Ion:172 Resp: 33051  
 Ion Ratio Lower Upper  
 172 100  
 171 34.0 29.4 44.2  
 170 23.4 19.8 29.6



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

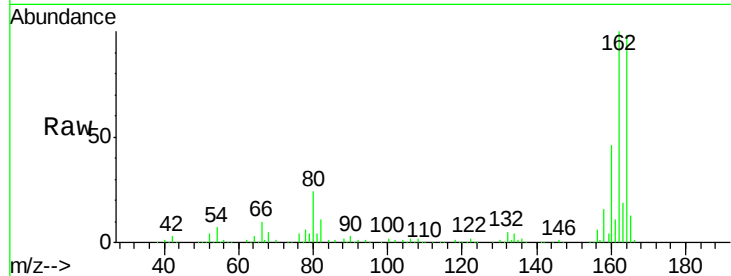




#50  
2,6-Dinitrotoluene  
Concen: 8.05 ng  
RT: 9.89 min Scan# 665  
Delta R.T. 0.21 min  
Lab File: BF085591.D  
Acq: 19 Mar 2016 23:41

Instrument :  
BNA\_F  
ClientSampleId :  
AOU2-SB04(5-8)RE

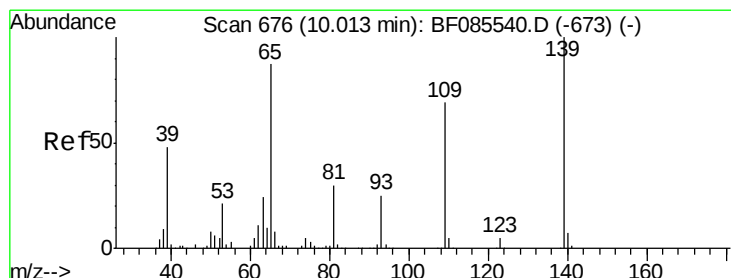
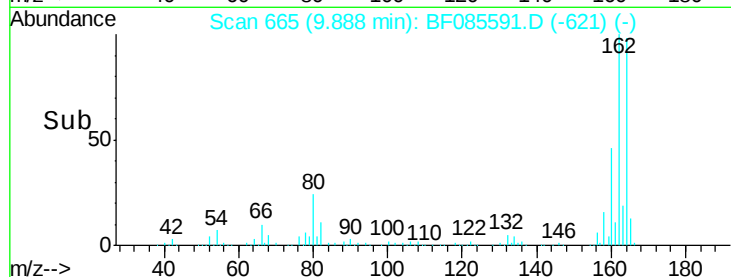
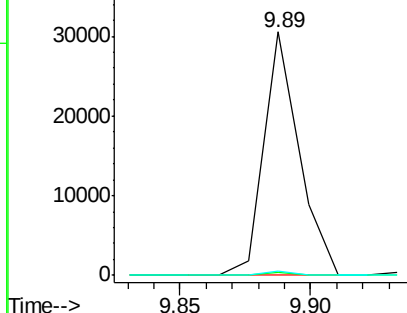
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.3   | 51.8  | 77.8# |
| 89      | 1.8   | 53.7  | 80.5# |



Abundance Ion 165.00 (164.70 to 165.70): E

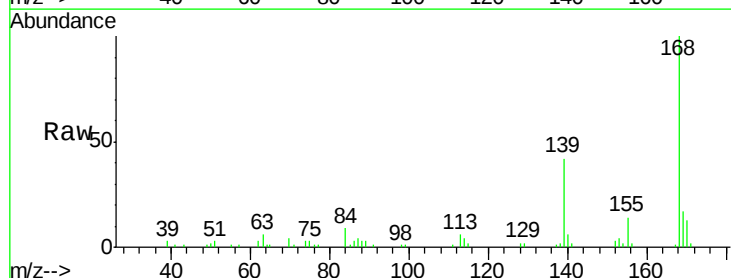
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#55  
4-Nitrophenol  
Concen: 3.40 ng  
RT: 10.09 min Scan# 683  
Delta R.T. 0.08 min  
Lab File: BF085591.D  
Acq: 19 Mar 2016 23:41

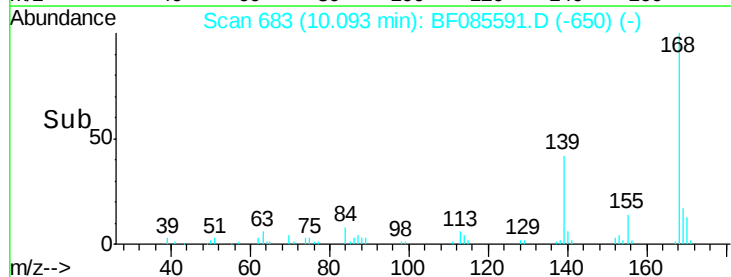
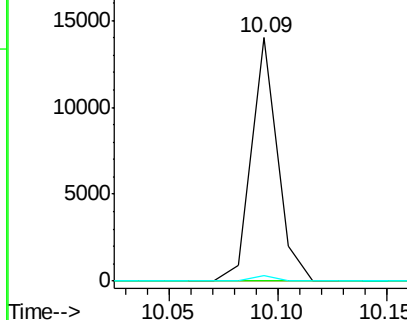
| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 139     | 100   |       |        |
| 109     | 0.0   | 49.2  | 89.2#  |
| 65      | 2.1   | 66.9  | 106.9# |

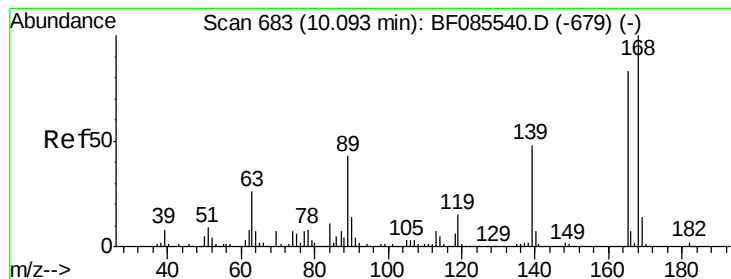


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#56

2,4-Dinitrotoluene

Concen: 6.15 ng

RT: 9.89 min Scan# 665

Delta R.T. -0.21 min

Lab File: BF085591.D

Acq: 19 Mar 2016 23:41

Instrument :

BNA\_F

ClientSampleId :

AOU2-SB04(5-8)RE

Tgt Ion:165 Resp: 28372

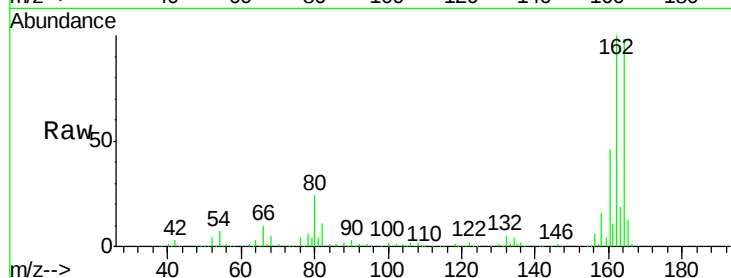
Ion Ratio Lower Upper

165 100

63 1.3 24.9 37.3#

89 1.8 41.0 61.6#

182 0.0 2.1 3.1#

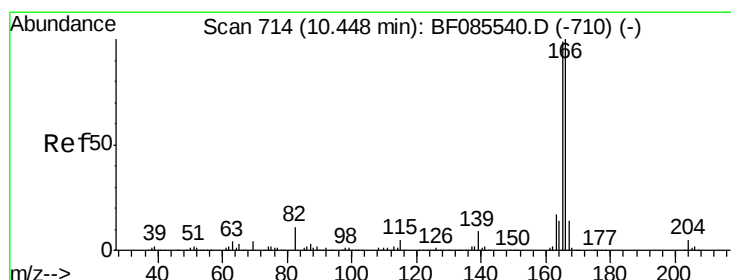
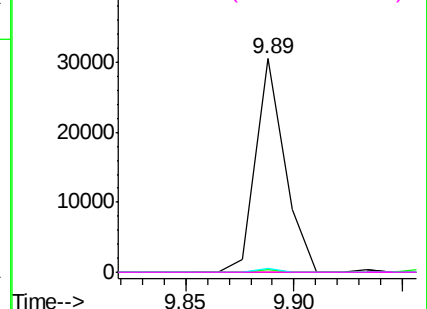
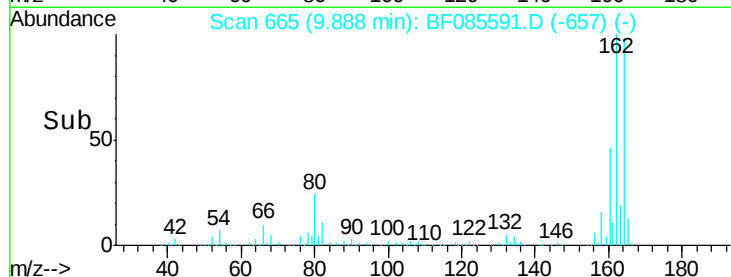


Abundance Ion 165.00 (164.70 to 165.70): E

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



#57

Fluorene

Concen: 4.25 ng

RT: 10.44 min Scan# 713

Delta R.T. -0.01 min

Lab File: BF085591.D

Acq: 19 Mar 2016 23:41

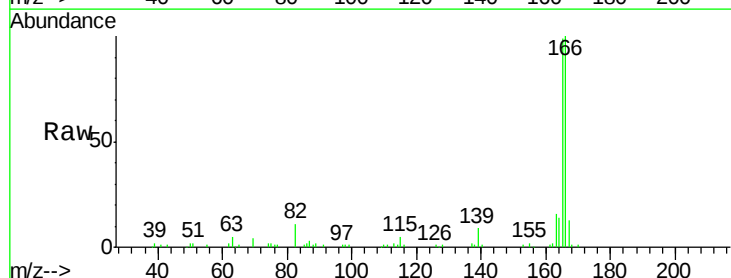
Tgt Ion:166 Resp: 61053

Ion Ratio Lower Upper

166 100

165 99.2 79.4 119.0

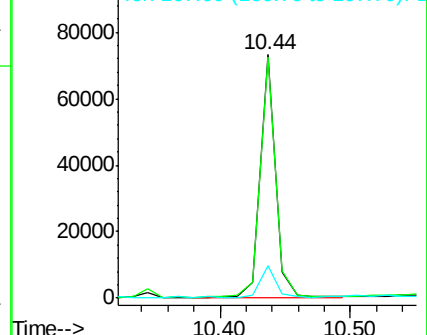
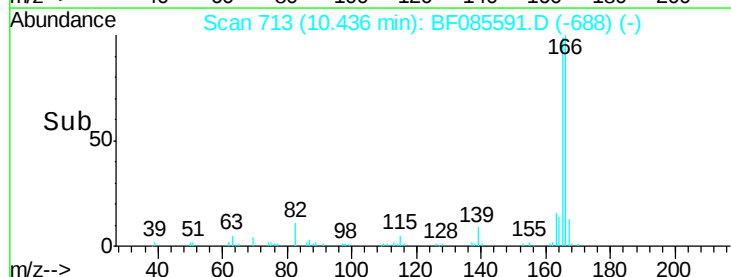
167 13.3 11.0 16.4

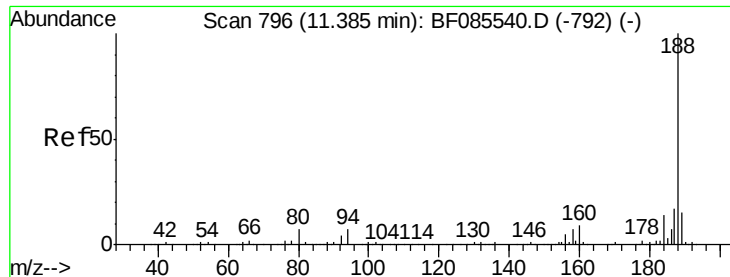


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

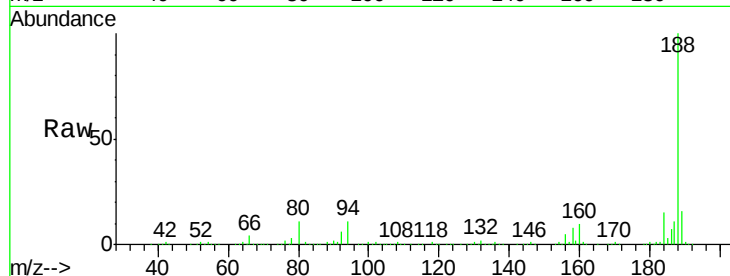




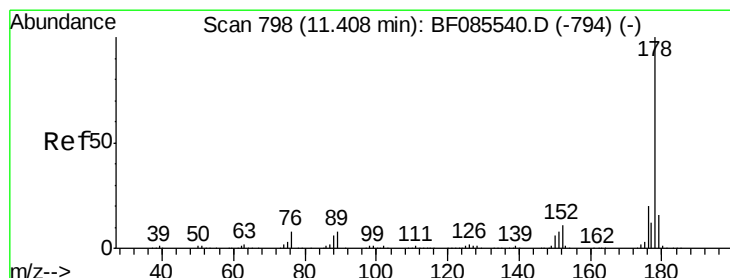
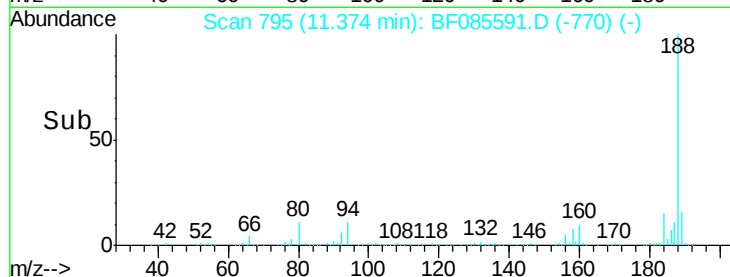
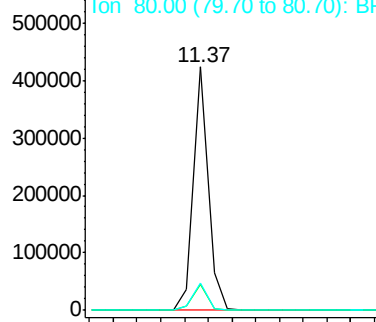
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.37 min Scan# 795  
Delta R.T. -0.01 min  
Lab File: BF085591.D  
Acq: 19 Mar 2016 23:41

Instrument :  
BNA\_F  
ClientSampleId :  
AOU2-SB04(5-8)RE

Tgt Ion:188 Resp: 363935  
Ion Ratio Lower Upper  
188 100  
94 10.6 5.4 8.0#  
80 11.1 5.5 8.3#

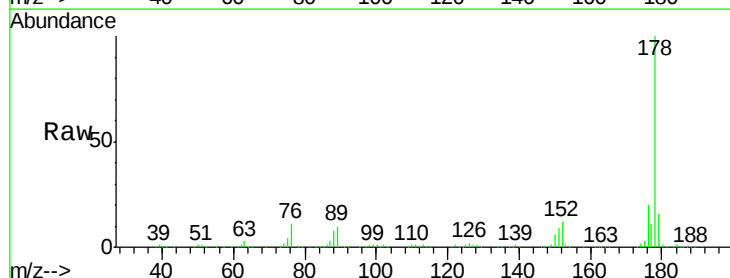


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

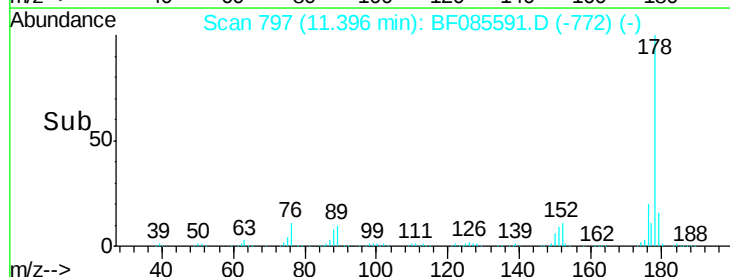
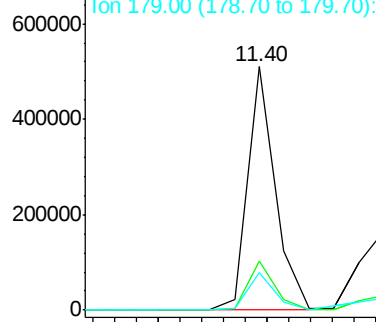


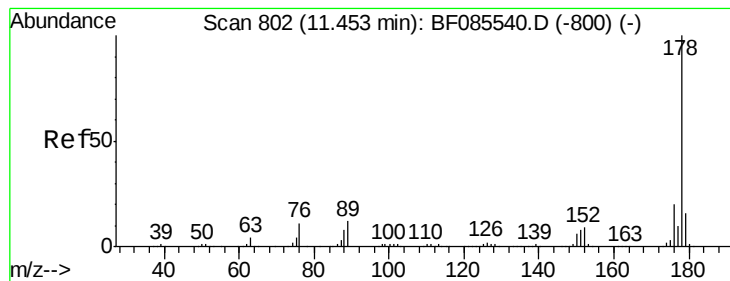
#70  
Phenanthrene  
Concen: 23.58 ng  
RT: 11.40 min Scan# 797  
Delta R.T. -0.01 min  
Lab File: BF085591.D  
Acq: 19 Mar 2016 23:41

Tgt Ion:178 Resp: 452507  
Ion Ratio Lower Upper  
178 100  
176 20.1 16.3 24.5  
179 15.6 12.6 18.8



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: 9.55 ng

RT: 11.45 min Scan# 802

Delta R.T. 0.00 min

Lab File: BF085591.D

Acq: 19 Mar 2016 23:41

Instrument :

BNA\_F

ClientSampleId :

AOU2-SB04(5-8)RE

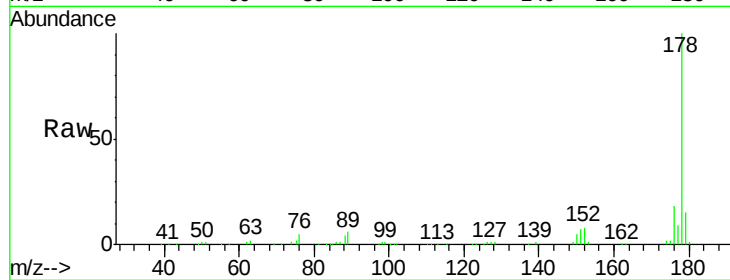
Tgt Ion:178 Resp: 192207

Ion Ratio Lower Upper

178 100

176 18.3 15.9 23.9

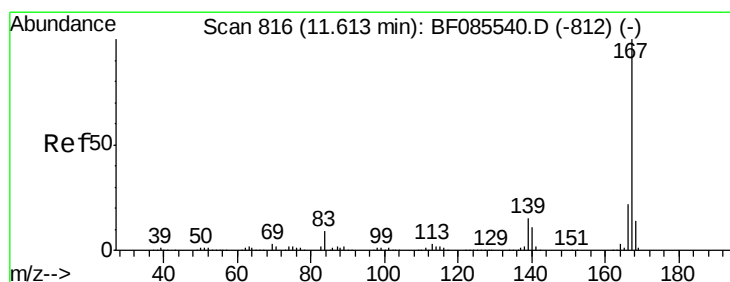
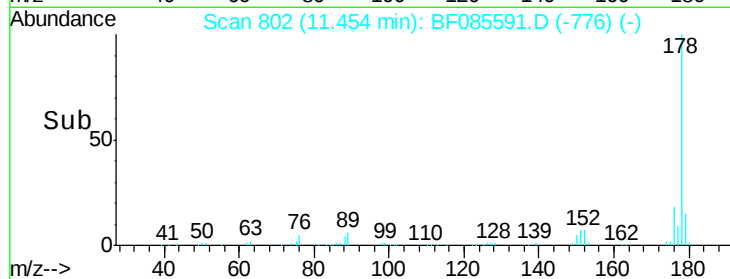
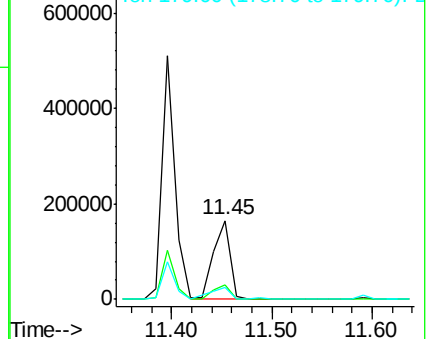
179 14.7 13.0 19.4



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



#72

Carbazole

Concen: 3.71 ng

RT: 11.60 min Scan# 815

Delta R.T. -0.01 min

Lab File: BF085591.D

Acq: 19 Mar 2016 23:41

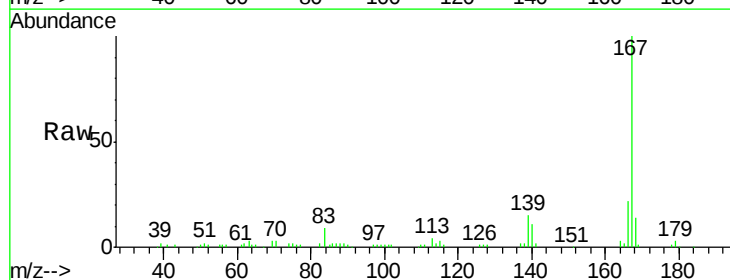
Tgt Ion:167 Resp: 64397

Ion Ratio Lower Upper

167 100

166 22.0 17.8 26.8

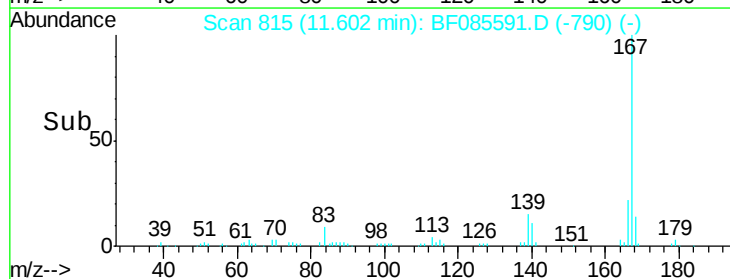
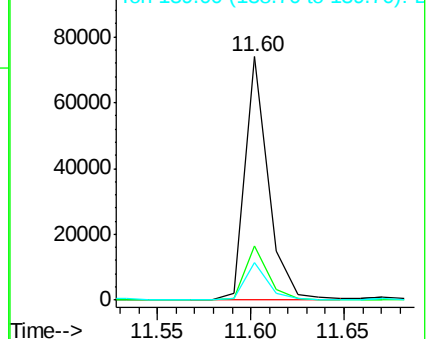
139 15.5 11.6 17.4

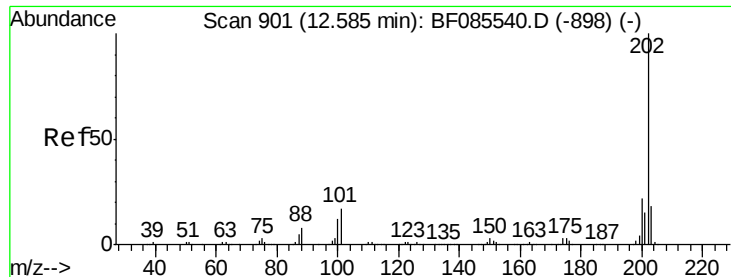


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 16.77 ng

RT: 12.59 min Scan# 901

Delta R.T. 0.00 min

Lab File: BF085591.D

Acq: 19 Mar 2016 23:41

Instrument :

BNA\_F

ClientSampleId :

AOU2-SB04(5-8)RE

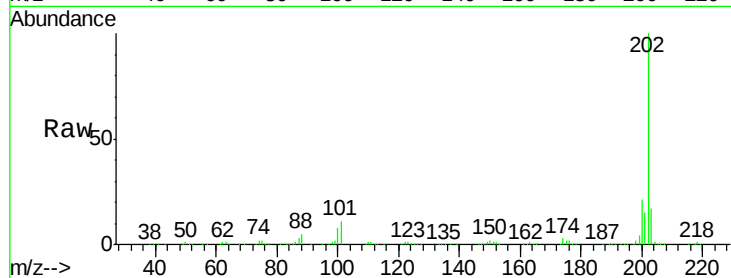
Tgt Ion:202 Resp: 336862

Ion Ratio Lower Upper

202 100

101 10.6 0.0 36.6

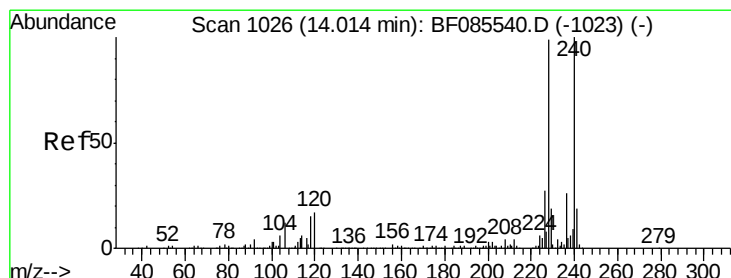
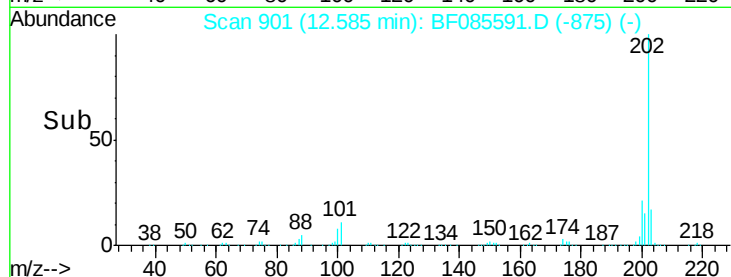
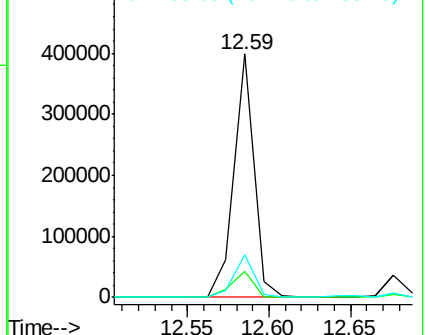
203 17.4 0.0 38.1



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.01 min Scan# 1026

Delta R.T. 0.00 min

Lab File: BF085591.D

Acq: 19 Mar 2016 23:41

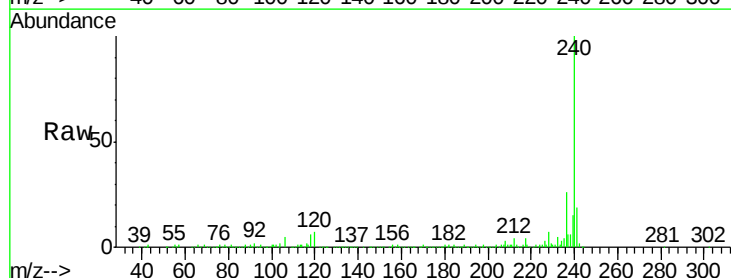
Tgt Ion:240 Resp: 275845

Ion Ratio Lower Upper

240 100

120 7.1 13.8 20.8#

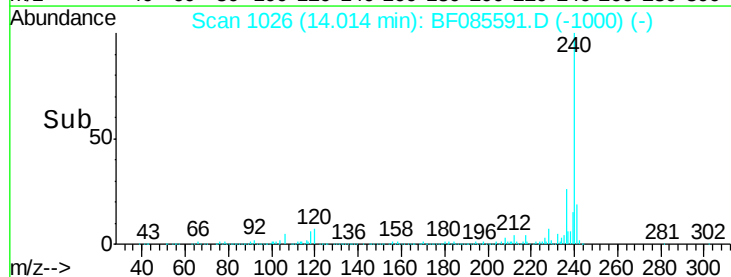
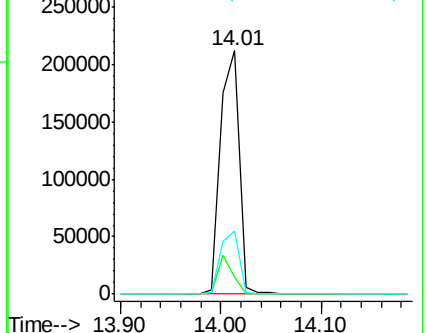
236 25.9 20.6 30.8

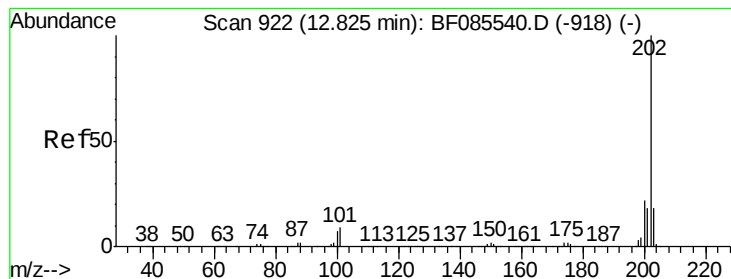


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 11.97 ng

RT: 12.81 min Scan# 921

Delta R.T. -0.01 min

Lab File: BF085591.D

Acq: 19 Mar 2016 23:41

Instrument :

BNA\_F

ClientSampleId :

AOU2-SB04(5-8)RE

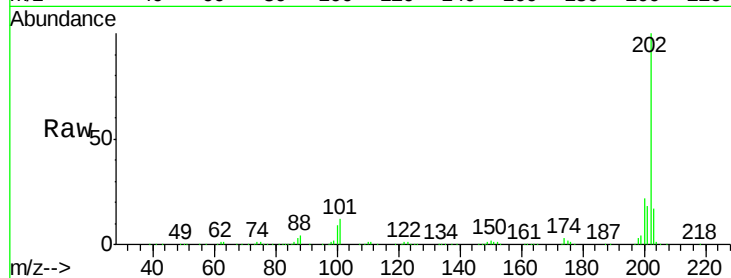
Tgt Ion:202 Resp: 237068

Ion Ratio Lower Upper

202 100

200 21.5 17.6 26.4

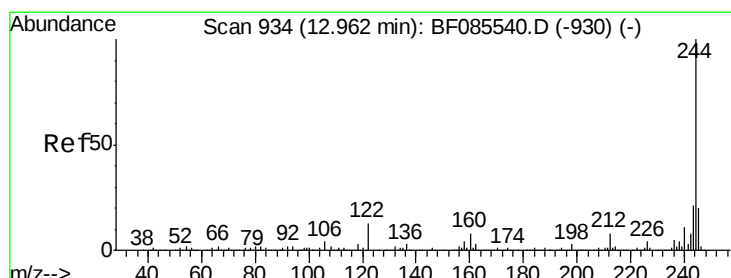
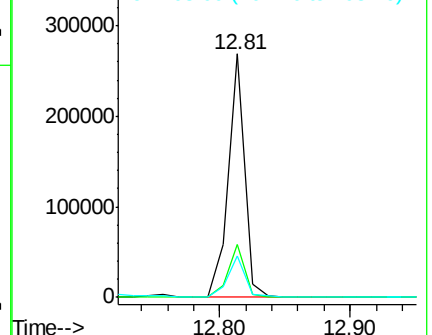
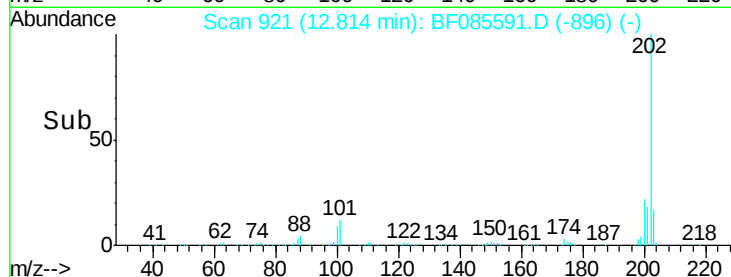
203 17.2 14.0 21.0



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: 1.78 ng

RT: 12.95 min Scan# 933

Delta R.T. -0.01 min

Lab File: BF085591.D

Acq: 19 Mar 2016 23:41

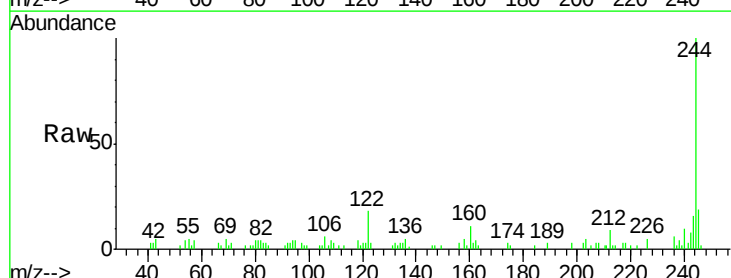
Tgt Ion:244 Resp: 20358

Ion Ratio Lower Upper

244 100

212 9.3 6.1 9.1#

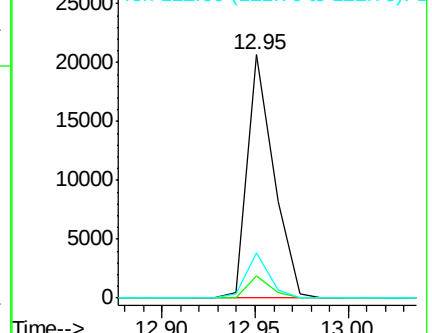
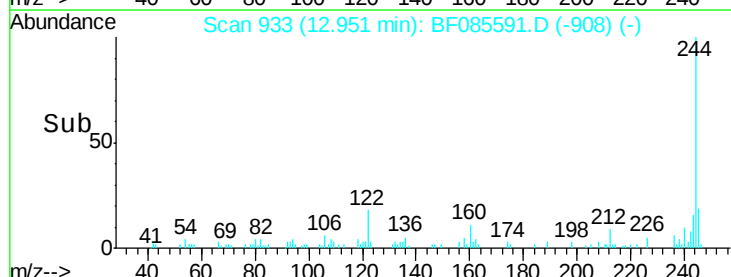
122 18.5 10.2 15.4#

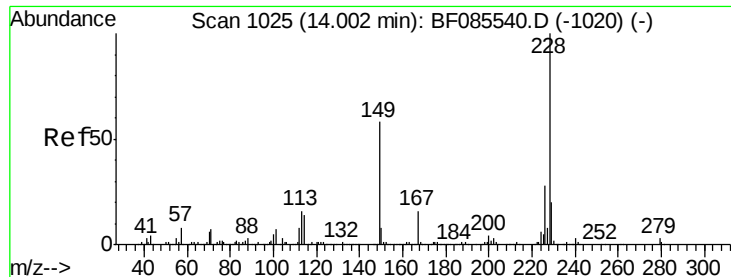


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 8.89 ng

RT: 14.00 min Scan# 1025

Delta R.T. 0.00 min

Lab File: BF085591.D

Acq: 19 Mar 2016 23:41

Instrument :

BNA\_F

ClientSampleId :

AOU2-SB04(5-8)RE

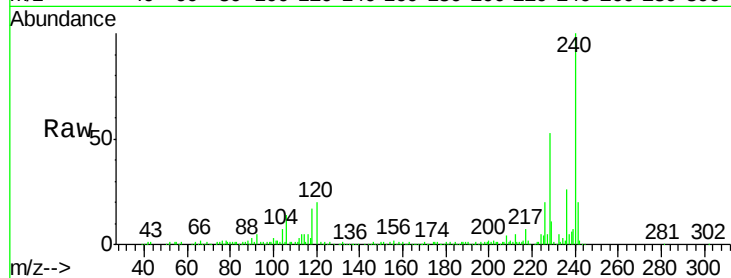
Tgt Ion:228 Resp: 142314

Ion Ratio Lower Upper

228 100

226 37.1 22.1 33.1#

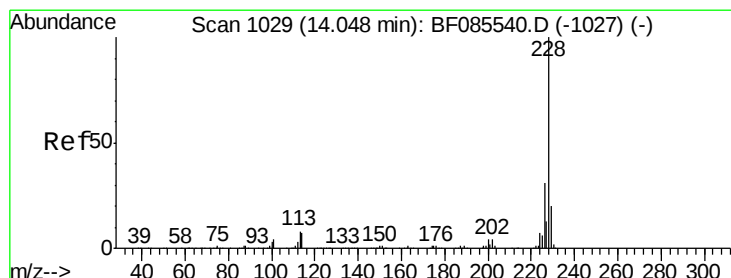
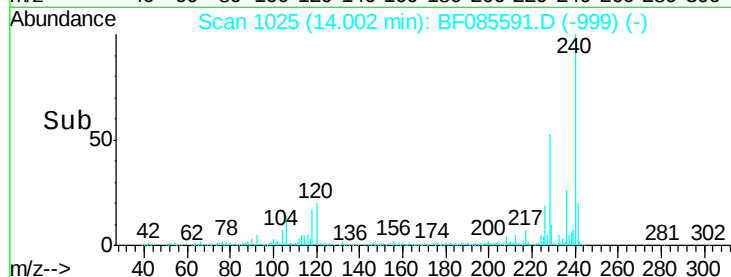
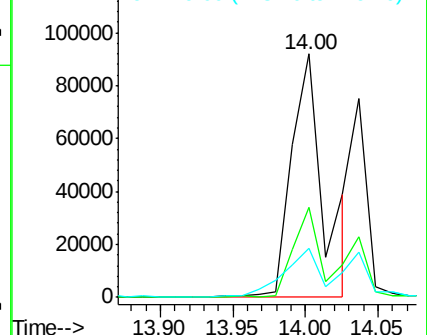
229 20.0 16.2 24.4



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: 9.24 ng

RT: 14.00 min Scan# 1025

Delta R.T. -0.05 min

Lab File: BF085591.D

Acq: 19 Mar 2016 23:41

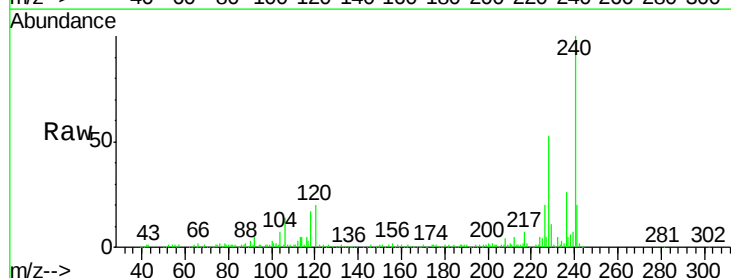
Tgt Ion:228 Resp: 142314

Ion Ratio Lower Upper

228 100

226 37.1 25.0 37.6

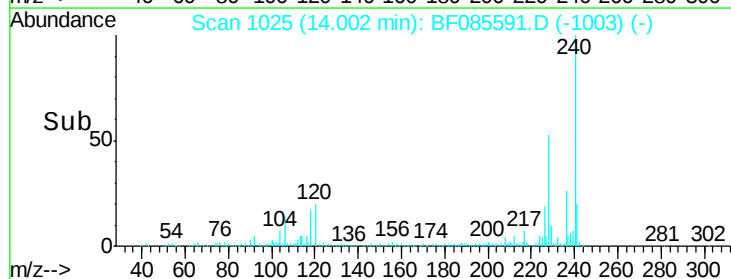
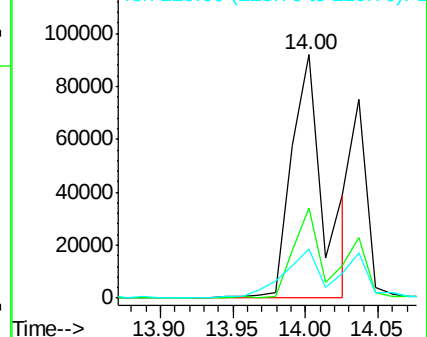
229 20.0 15.7 23.5

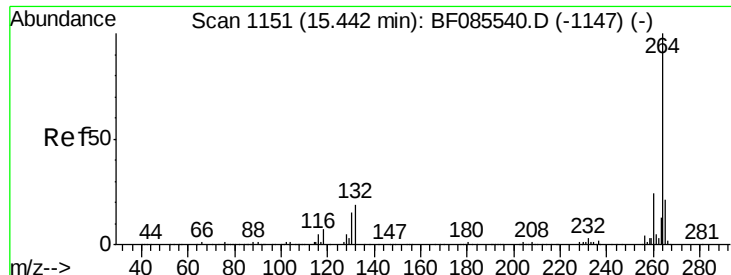


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



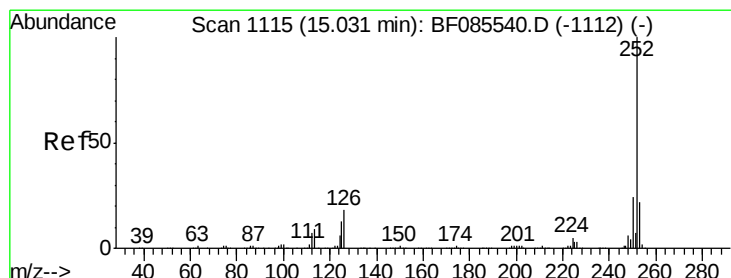
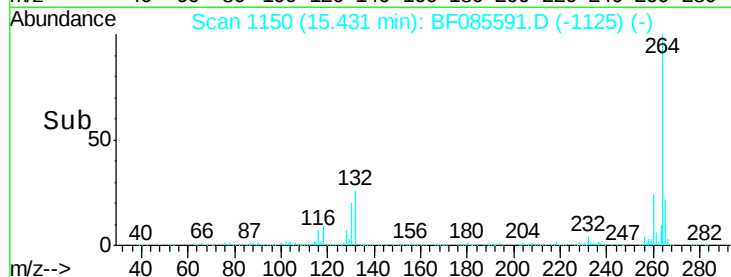
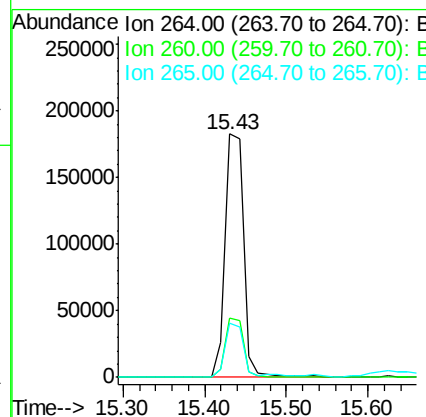
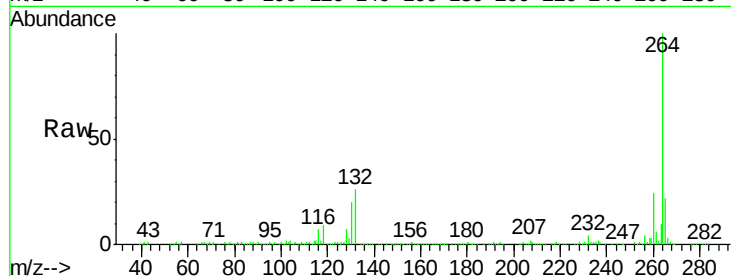


#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.43 min Scan# 1150  
Delta R.T. -0.01 min  
Lab File: BF085591.D  
Acq: 19 Mar 2016 23:41

Instrument :  
BNA\_F  
ClientSampleId :  
AOU2-SB04(5-8)RE

Tgt Ion: 264 Resp: 285323  

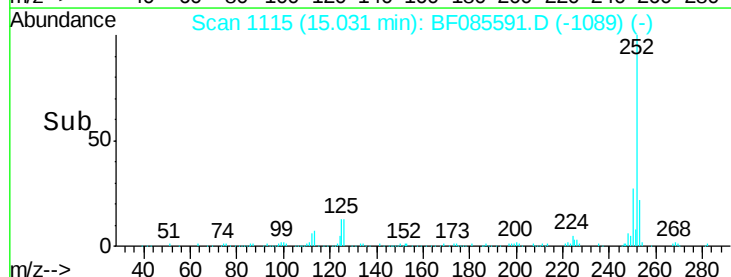
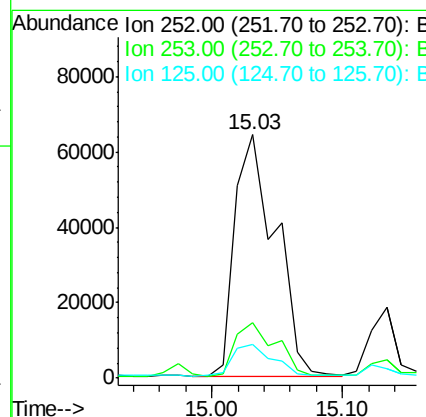
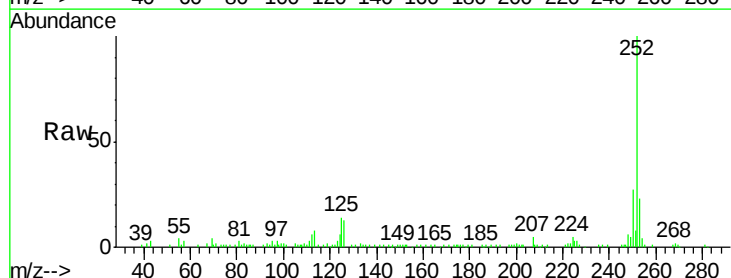
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.2  | 19.4  | 29.2  |
| 265 | 22.5  | 17.2  | 25.8  |

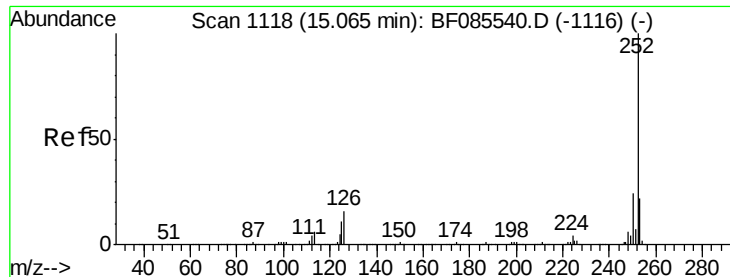


#87  
Benzo(b)fluoranthene  
Concen: 7.50 ng  
RT: 15.03 min Scan# 1115  
Delta R.T. 0.00 min  
Lab File: BF085591.D  
Acq: 19 Mar 2016 23:41

Tgt Ion: 252 Resp: 139578  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.8  | 17.6  | 26.4  |
| 125 | 13.7  | 10.3  | 15.5  |





#88

Benzo(k)fluoranthene

Concen: 9.10 ng

RT: 15.03 min Scan# 1115

Delta R.T. -0.03 min

Lab File: BF085591.D

Acq: 19 Mar 2016 23:41

Instrument :

BNA\_F

ClientSampleId :

AOU2-SB04(5-8)RE

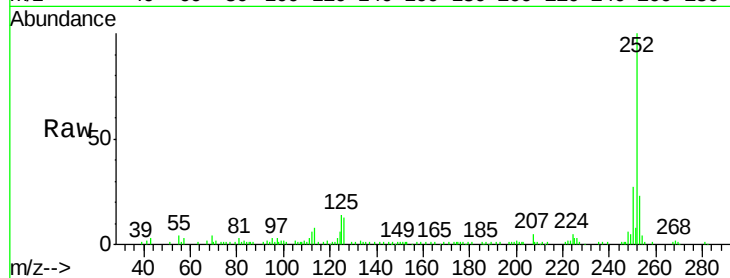
Tgt Ion:252 Resp: 139578

Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.6

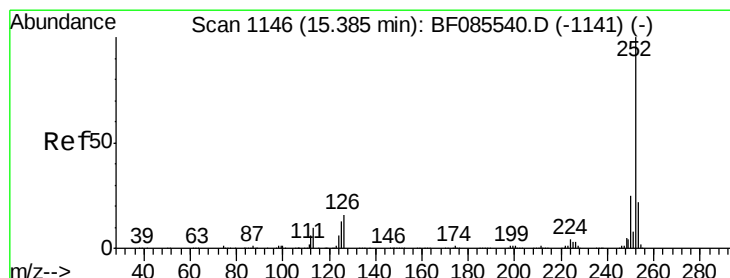
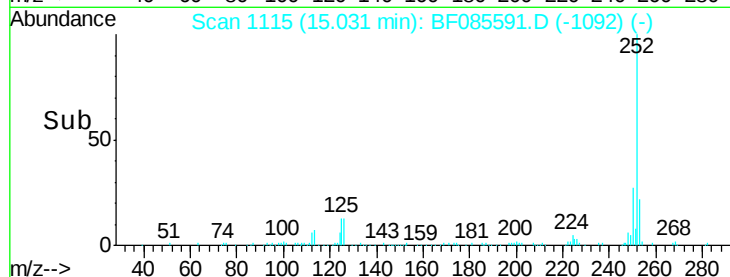
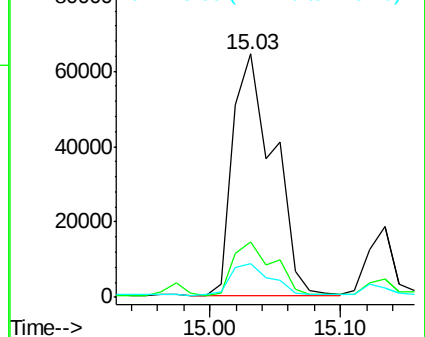
125 13.7 7.7 11.5#



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: 5.05 ng

RT: 15.37 min Scan# 1145

Delta R.T. -0.01 min

Lab File: BF085591.D

Acq: 19 Mar 2016 23:41

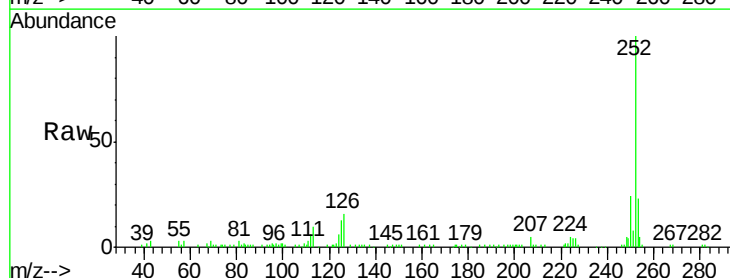
Tgt Ion:252 Resp: 79677

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.0

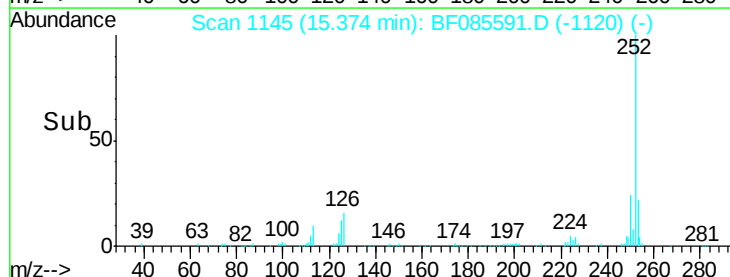
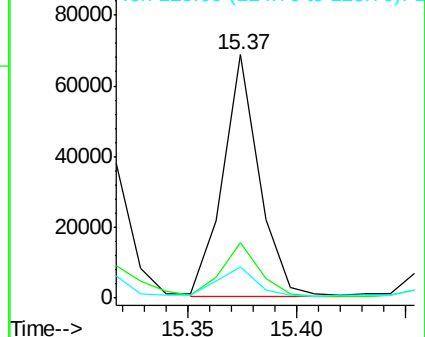
125 13.0 10.3 15.5

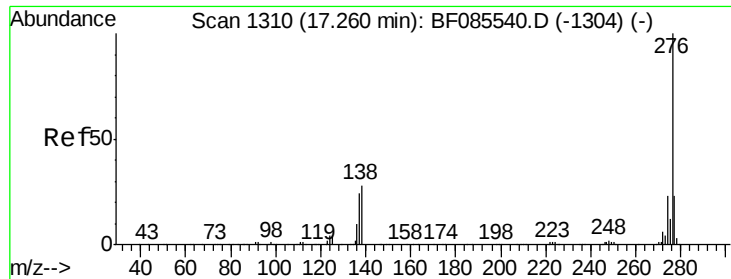


Abundance Ion 252.00 (251.70 to 252.70): E

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: 2.27 ng  
 RT: 17.25 min Scan# 1309  
 Delta R.T. -0.01 min  
 Lab File: BF085591.D  
 Acq: 19 Mar 2016 23:41

Instrument :  
 BNA\_F  
 ClientSampleId :  
 AOU2-SB04(5-8)RE

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.4  | 18.8  | 28.2  |
| 138     | 25.5  | 22.6  | 34.0  |

