

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF031816\  
 Data File : BF085580.D  
 Acq On : 19 Mar 2016 18:37  
 Operator : UM/SJ  
 Sample : H1788-03  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-3(7-8)

Quant Time: Mar 21 00:01:42 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

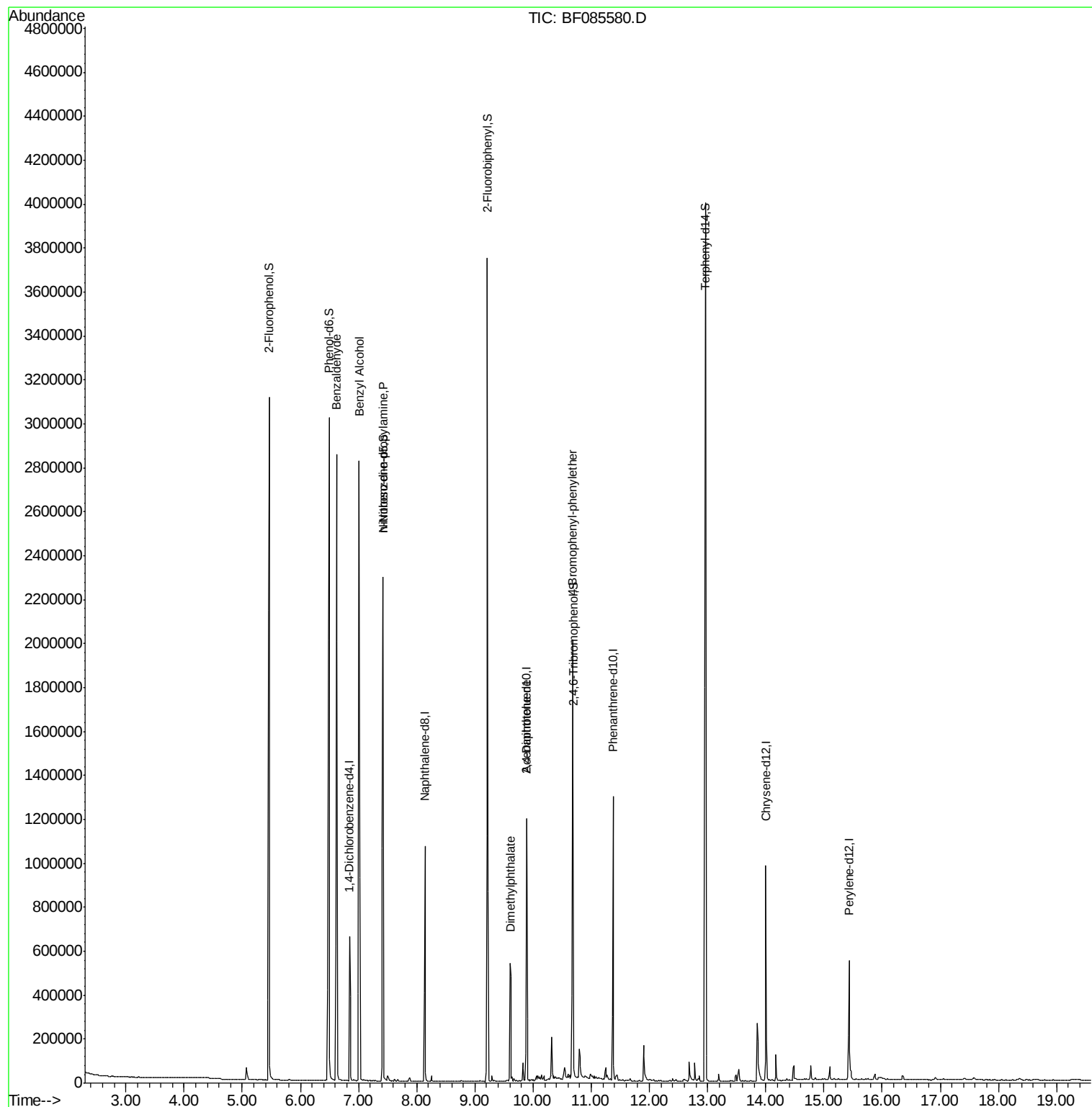
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.85  | 152  | 122932   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8             | 8.14  | 136  | 532814   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.89  | 164  | 232418   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.37 | 188  | 454976   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12               | 14.00 | 240  | 308739   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 15.43 | 264  | 230352   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.46  | 112  | 1206952  | 164.91 | ng    | 0.01     |
| 7) Phenol-d6                   | 6.49  | 99   | 1461535  | 155.70 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.42  | 82   | 885684   | 96.49  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.69 | 330  | 411531   | 180.76 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.21  | 172  | 1361107  | 106.64 | ng    | -0.01    |
| 78) Terphenyl-d14              | 12.96 | 244  | 1383154  | 107.81 | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 9) Benzaldehyde                | 6.62  | 77   | 23952    | 3.12   | ng    | 85       |
| 15) Benzyl Alcohol             | 7.01  | 79   | 13840    | 2.15   | ng    | # 48     |
| 19) n-Nitroso-di-n-propylamine | 7.42  | 70   | 118725   | 21.17  | ng    | # 78     |
| 49) Dimethylphthalate          | 9.61  | 163  | 325777   | 18.57  | ng    | 98       |
| 56) 2,4-Dinitrotoluene         | 9.89  | 165  | 29601    | 6.11   | ng    | # 37     |
| 66) 4-Bromophenyl-phenylether  | 10.68 | 248  | 23894    | 5.26   | ng    | # 1      |

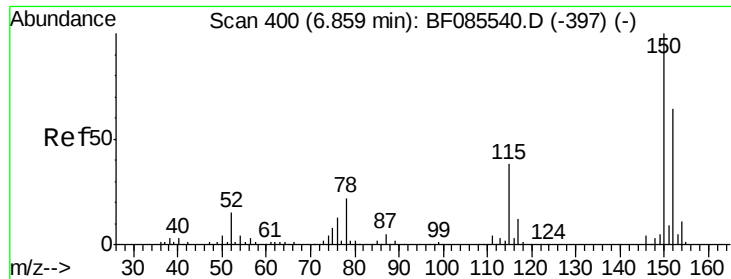
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 399

Delta R.T. -0.01 min

Lab File: BF085580.D

Acq: 19 Mar 2016 18:37

Instrument :

BNA\_F

ClientSampleId :

SB-3(7-8)

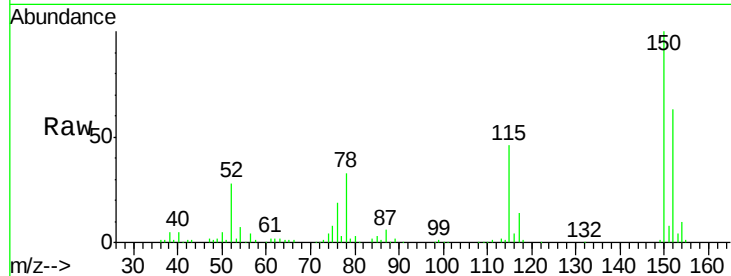
Tgt Ion:152 Resp: 122932

Ion Ratio Lower Upper

152 100

150 158.9 124.2 186.2

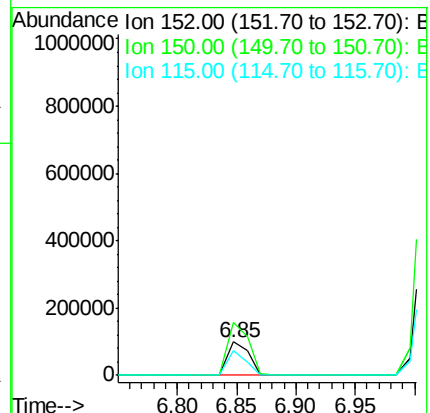
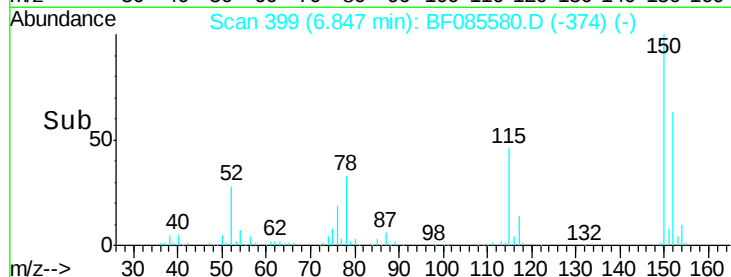
115 73.8 47.0 70.6#



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: 164.91 ng

RT: 5.46 min Scan# 278

Delta R.T. 0.01 min

Lab File: BF085580.D

Acq: 19 Mar 2016 18:37

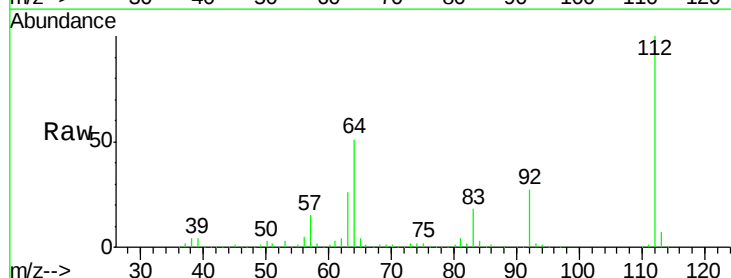
Tgt Ion:112 Resp: 1206952

Ion Ratio Lower Upper

112 100

64 50.6 39.9 59.9

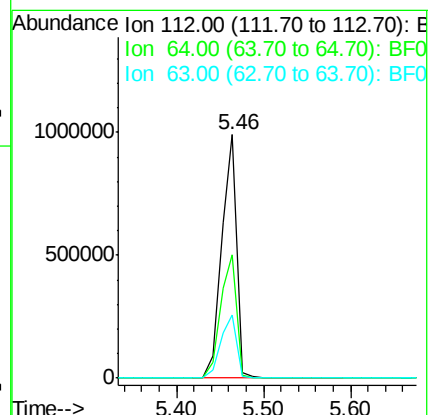
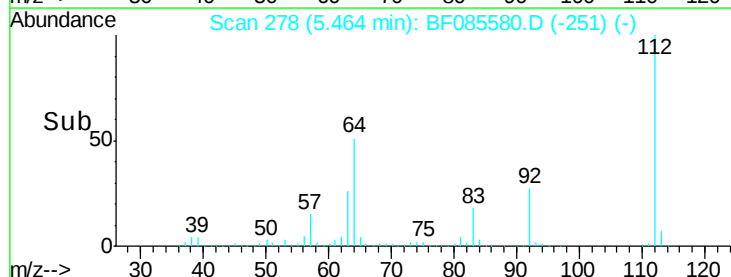
63 25.7 20.2 30.2

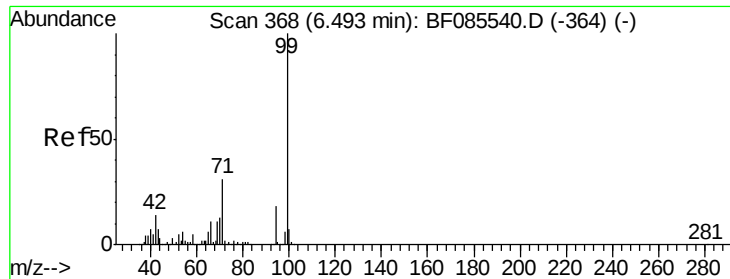


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 155.70 ng

RT: 6.49 min Scan# 368

Delta R.T. 0.00 min

Lab File: BF085580.D

Acq: 19 Mar 2016 18:37

Instrument :

BNA\_F

ClientSampleId :

SB-3(7-8)

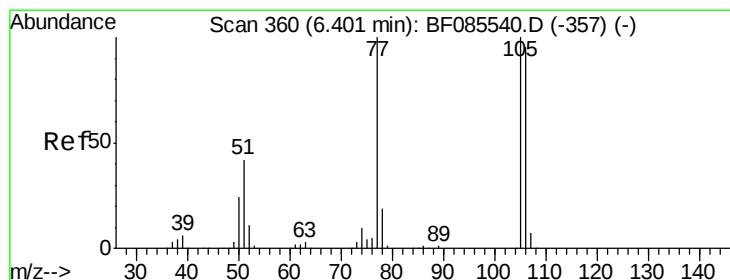
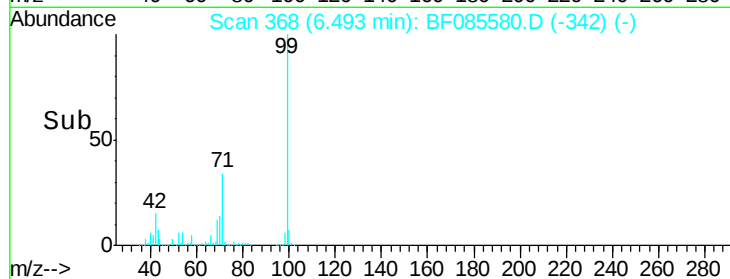
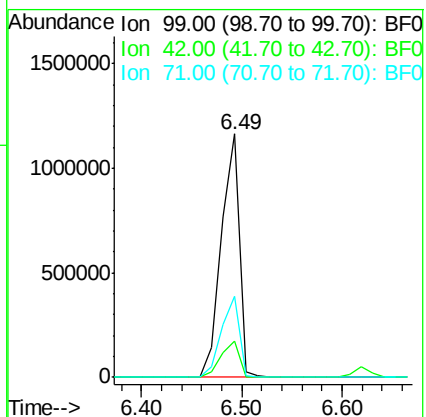
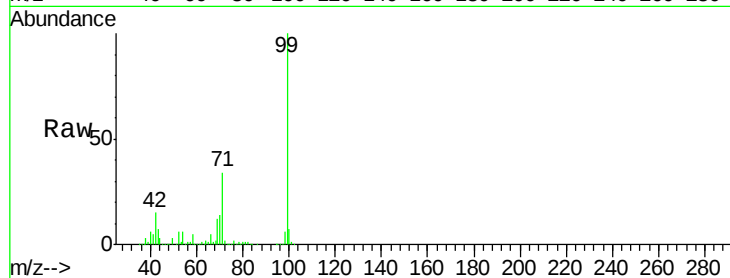
Tgt Ion: 99 Resp: 1461535

Ion Ratio Lower Upper

99 100

42 15.1 11.1 16.7

71 33.5 24.9 37.3



#9

Benzaldehyde

Concen: 3.12 ng

RT: 6.62 min Scan# 379

Delta R.T. 0.22 min

Lab File: BF085580.D

Acq: 19 Mar 2016 18:37

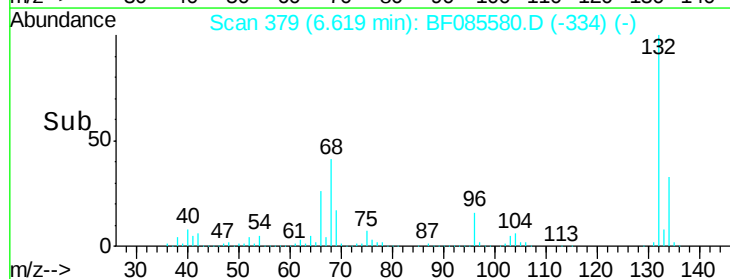
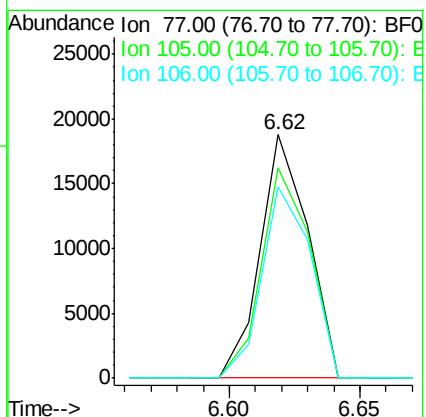
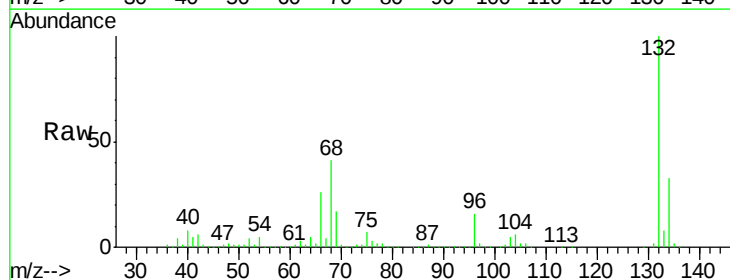
Tgt Ion: 77 Resp: 23952

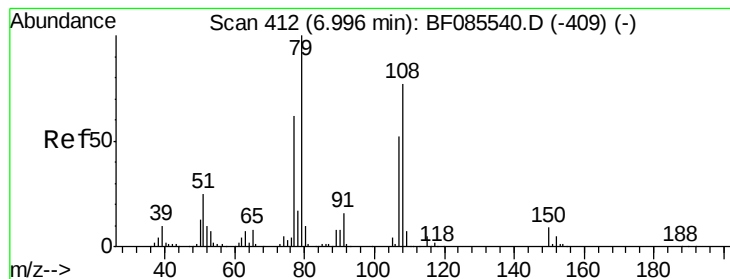
Ion Ratio Lower Upper

77 100

105 86.3 80.1 120.1

106 78.4 75.0 115.0





#15

Benzyl Alcohol

Concen: 2.15 ng

RT: 7.01 min Scan# 413

Delta R.T. 0.01 min

Lab File: BF085580.D

Acq: 19 Mar 2016 18:37

Instrument :

BNA\_F

ClientSampleId :

SB-3(7-8)

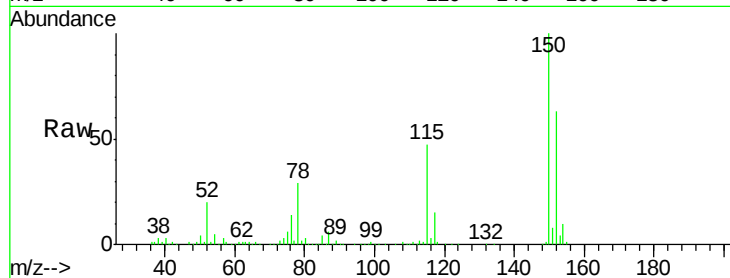
Tgt Ion: 79 Resp: 13840

Ion Ratio Lower Upper

79 100

108 29.9 61.8 92.6#

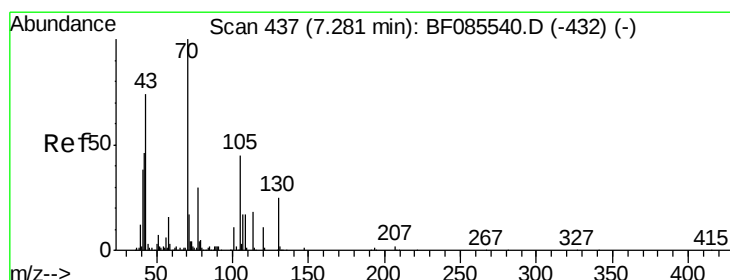
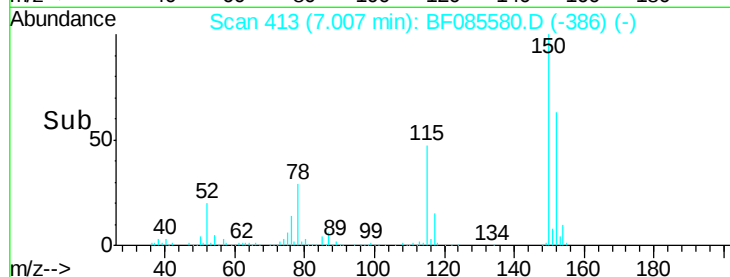
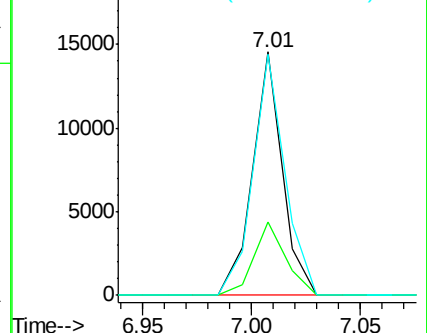
77 99.2 49.6 74.4#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 21.17 ng

RT: 7.42 min Scan# 449

Delta R.T. 0.14 min

Lab File: BF085580.D

Acq: 19 Mar 2016 18:37

Tgt Ion: 70 Resp: 118725

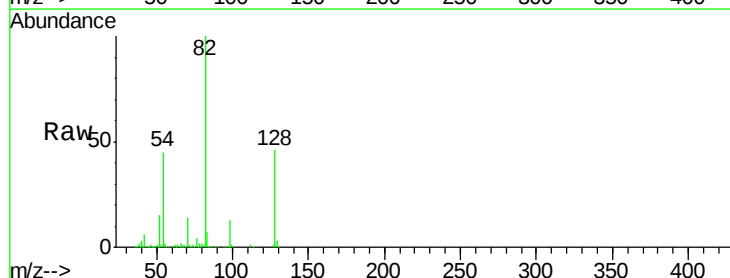
Ion Ratio Lower Upper

70 100

42 40.8 37.1 55.7

101 0.0 8.6 12.8#

130 2.2 19.6 29.4#

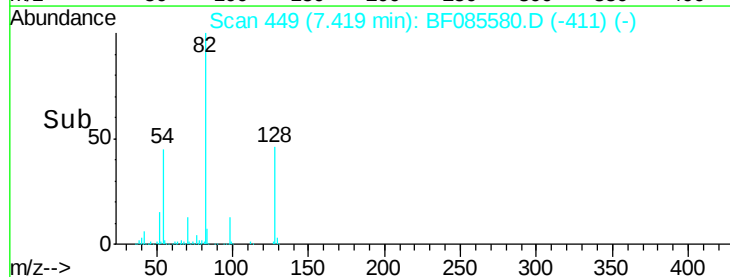
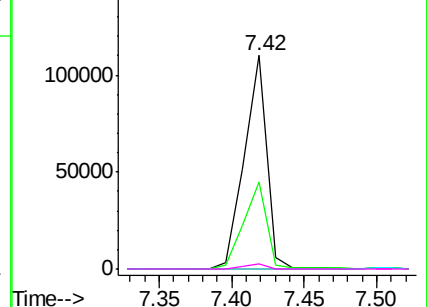


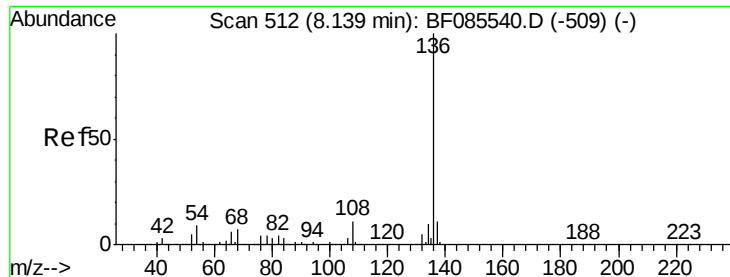
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 512

Delta R.T. 0.00 min

Lab File: BF085580.D

Acq: 19 Mar 2016 18:37

Instrument :

BNA\_F

ClientSampleId :

SB-3(7-8)

Tgt Ion:136 Resp: 532814

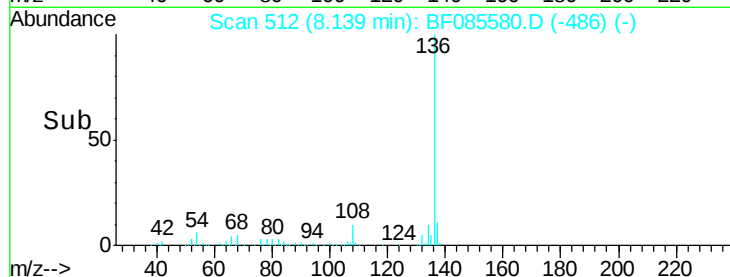
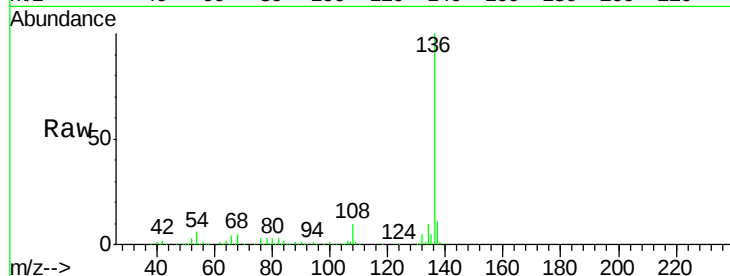
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 5.8 7.4 11.0#

68 5.1 5.8 8.8#

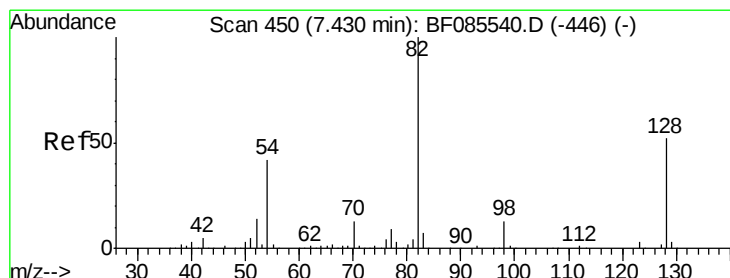
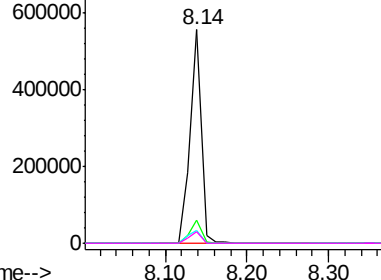


Abundance Ion 136.00 (135.70 to 136.70): E

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: 96.49 ng

RT: 7.42 min Scan# 449

Delta R.T. -0.01 min

Lab File: BF085580.D

Acq: 19 Mar 2016 18:37

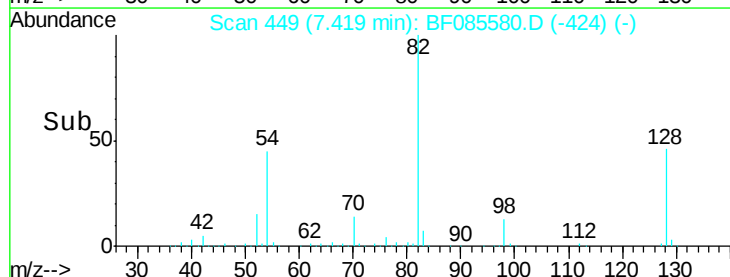
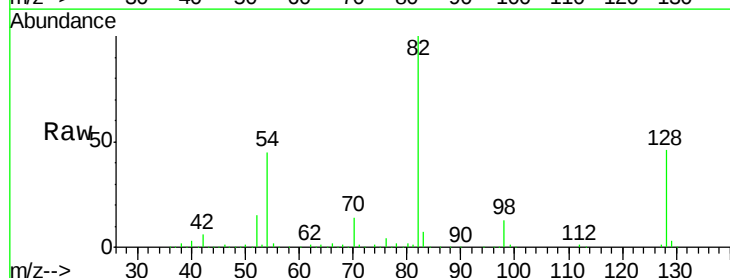
Tgt Ion: 82 Resp: 885684

Ion Ratio Lower Upper

82 100

128 46.2 41.8 62.8

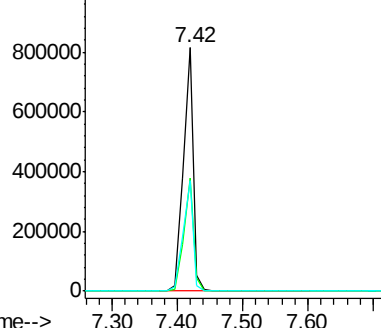
54 45.2 33.4 50.0

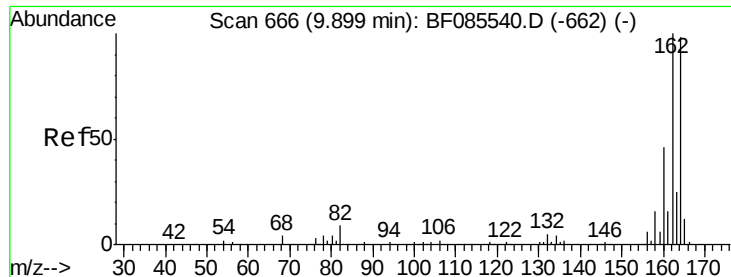


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

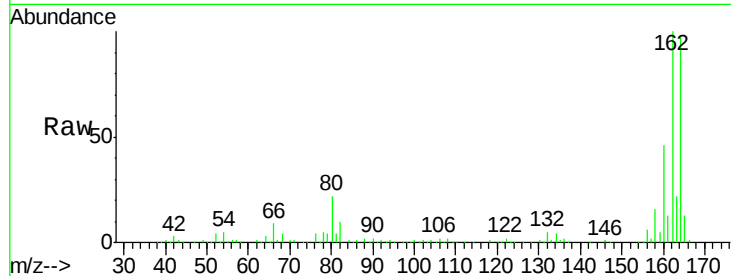




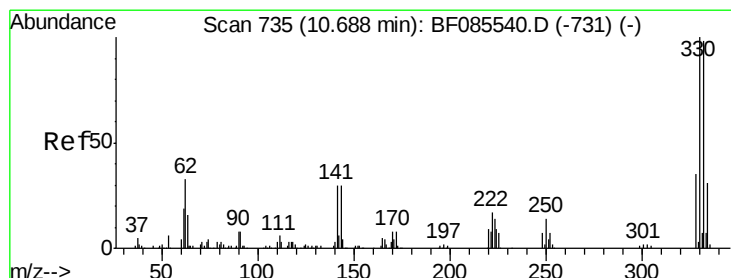
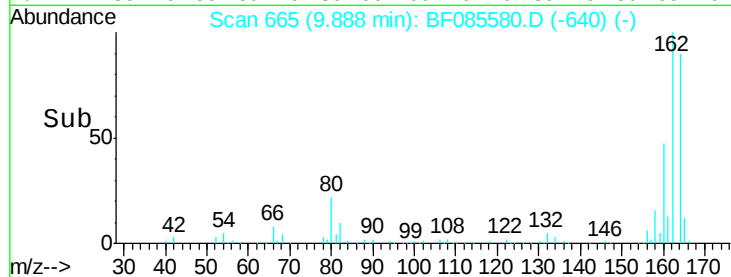
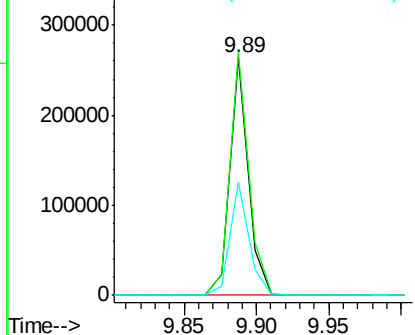
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.89 min Scan# 665  
 Delta R.T. -0.01 min  
 Lab File: BF085580.D  
 Acq: 19 Mar 2016 18:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-3(7-8)

Tgt Ion:164 Resp: 232418  
 Ion Ratio Lower Upper  
 164 100  
 162 102.6 82.1 123.1  
 160 47.4 37.4 56.2

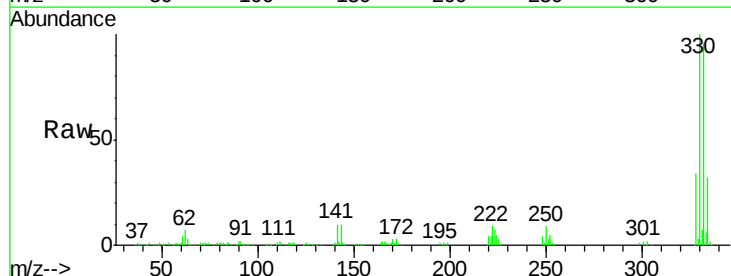


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

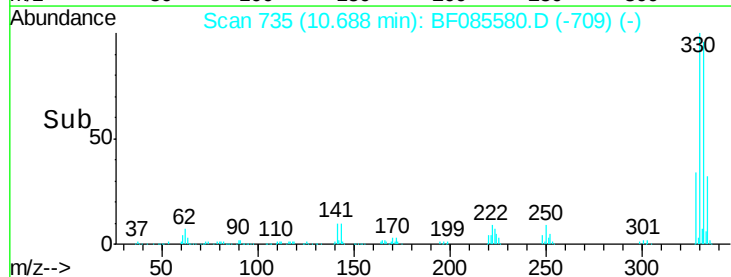
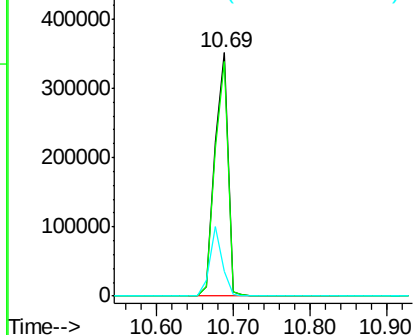


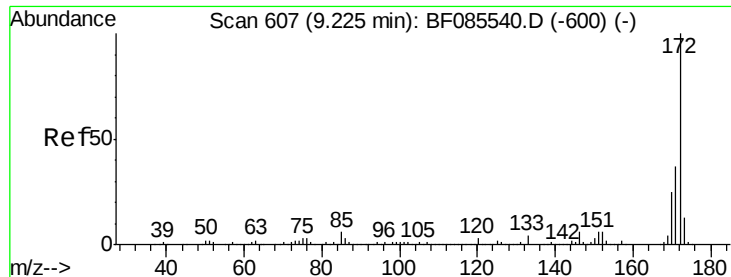
#41  
 2,4,6-Tribromophenol  
 Concen: 180.76 ng  
 RT: 10.69 min Scan# 735  
 Delta R.T. 0.00 min  
 Lab File: BF085580.D  
 Acq: 19 Mar 2016 18:37

Tgt Ion:330 Resp: 411531  
 Ion Ratio Lower Upper  
 330 100  
 332 96.0 78.2 117.2  
 141 27.2 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

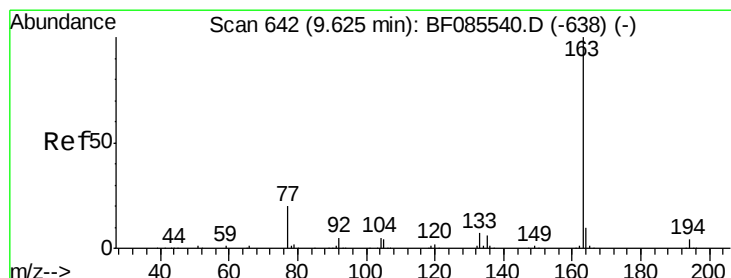
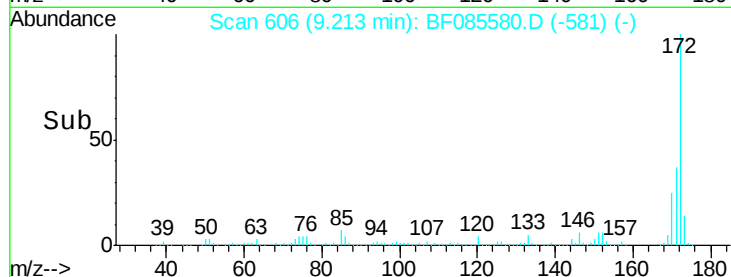
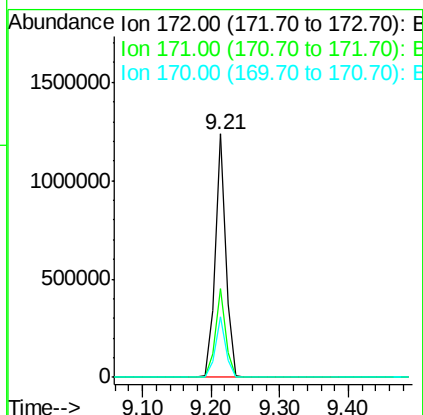
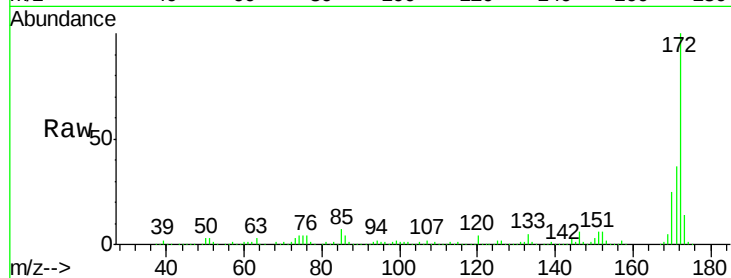




#44  
 2-Fluorobiphenyl  
 Concen: 106.64 ng  
 RT: 9.21 min Scan# 606  
 Delta R.T. -0.01 min  
 Lab File: BF085580.D  
 Acq: 19 Mar 2016 18:37

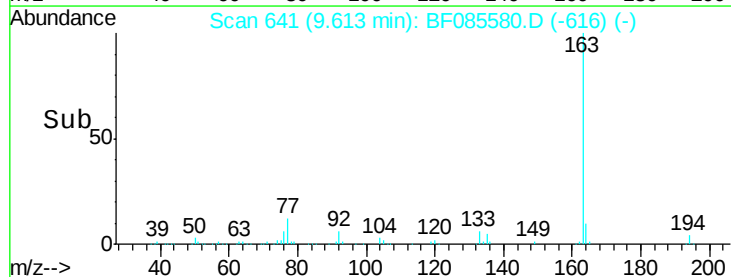
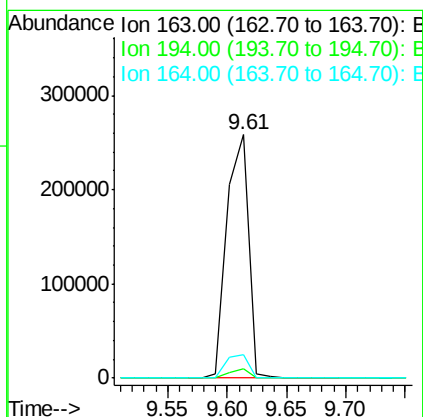
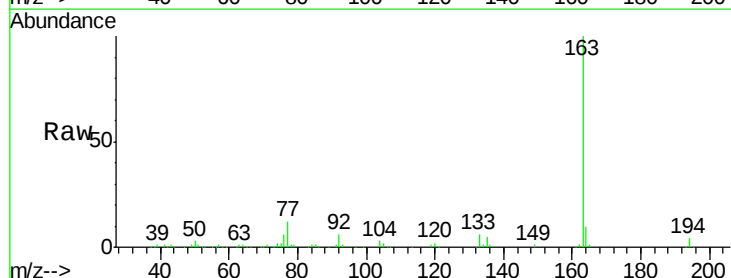
Instrument :  
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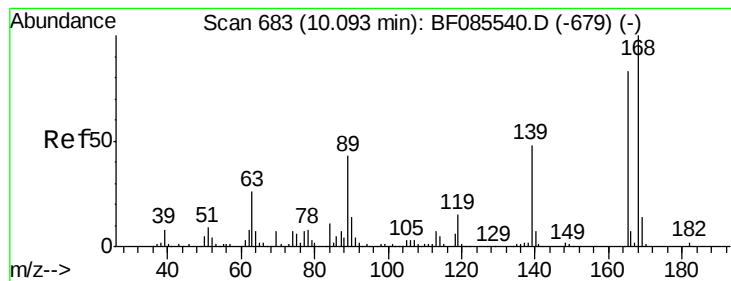
Tgt Ion:172 Resp: 1361107  
 Ion Ratio Lower Upper  
 172 100  
 171 36.5 29.4 44.2  
 170 24.8 19.8 29.6



#49  
 Dimethylphthalate  
 Concen: 18.57 ng  
 RT: 9.61 min Scan# 641  
 Delta R.T. -0.01 min  
 Lab File: BF085580.D  
 Acq: 19 Mar 2016 18:37

Tgt Ion:163 Resp: 325777  
 Ion Ratio Lower Upper  
 163 100  
 194 3.9 2.9 4.3  
 164 9.7 8.3 12.5

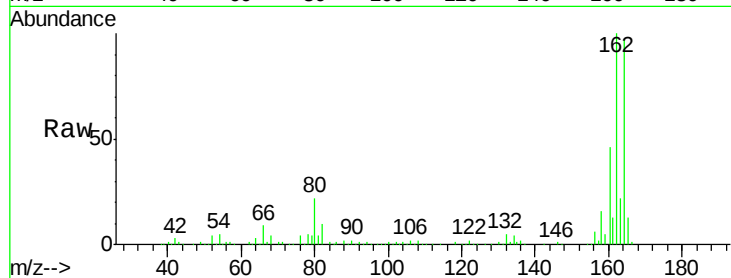




#56  
 2,4-Dinitrotoluene  
 Concen: 6.11 ng  
 RT: 9.89 min Scan# 665  
 Delta R.T. -0.21 min  
 Lab File: BF085580.D  
 Acq: 19 Mar 2016 18:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-3(7-8)

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 165   | Resp: | 29601 |
| Ion      | Ratio | Lower | Upper |
| 165      | 100   |       |       |
| 63       | 1.2   | 24.9  | 37.3# |
| 89       | 1.7   | 41.0  | 61.6# |
| 182      | 0.0   | 2.1   | 3.1#  |

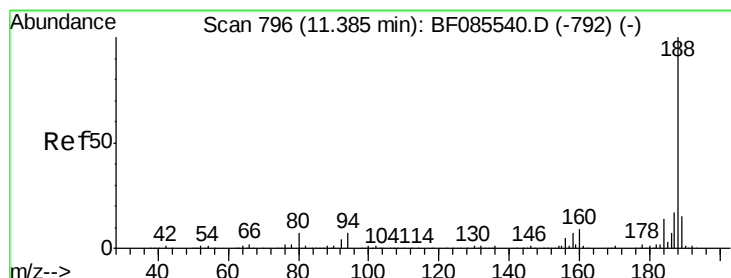
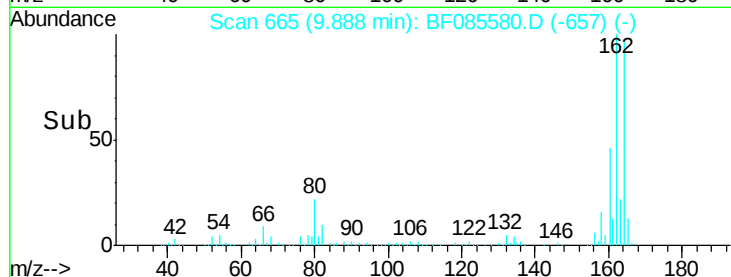
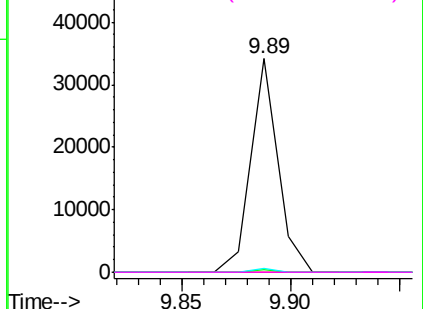


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

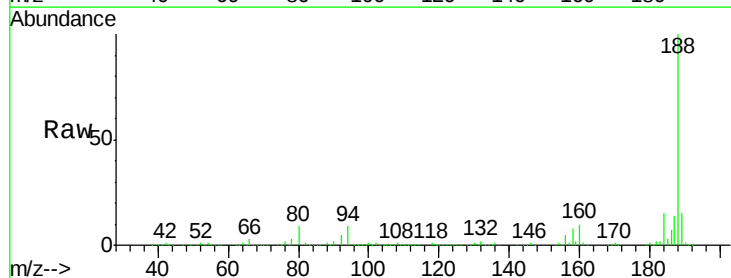
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.37 min Scan# 795  
 Delta R.T. -0.01 min  
 Lab File: BF085580.D  
 Acq: 19 Mar 2016 18:37

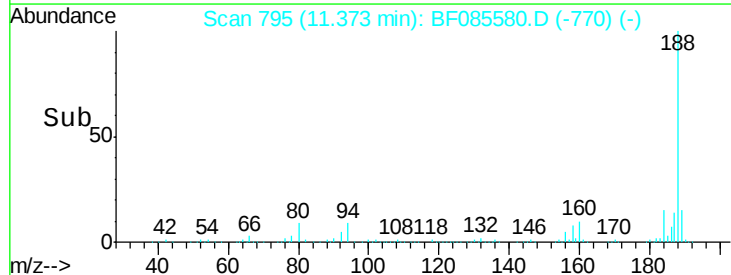
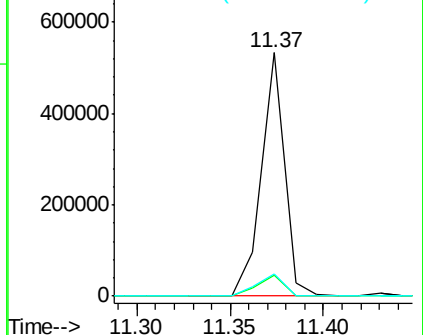
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 454976 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 8.8   | 5.4   | 8.0#   |
| 80       | 9.2   | 5.5   | 8.3#   |

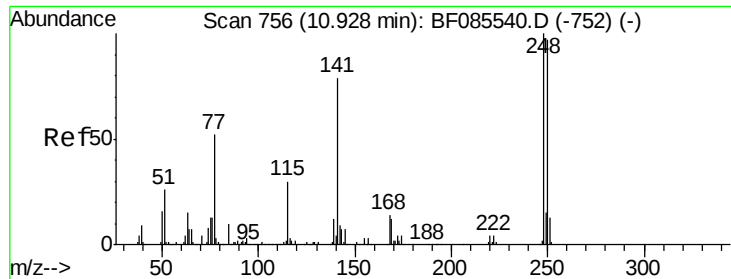


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

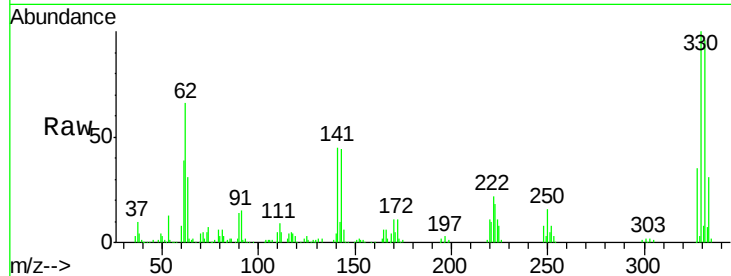




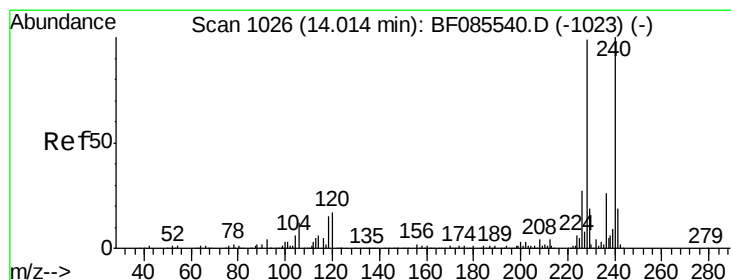
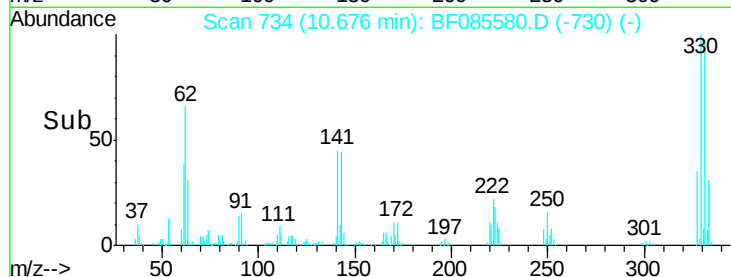
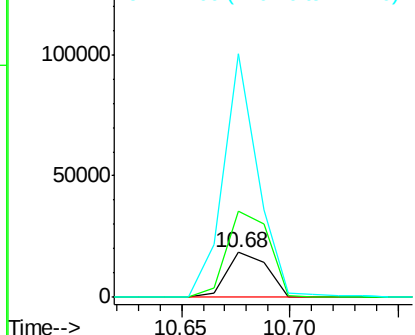
#66  
 4-Bromophenyl-phenylether  
 Concen: 5.26 ng  
 RT: 10.68 min Scan# 734  
 Delta R.T. -0.25 min  
 Lab File: BF085580.D  
 Acq: 19 Mar 2016 18:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-3(7-8)

Tgt Ion:248 Resp: 23894  
 Ion Ratio Lower Upper  
 248 100  
 250 194.1 77.4 116.0#  
 141 544.9 63.6 95.4#

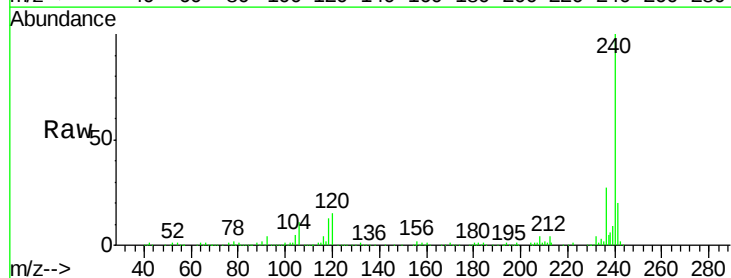


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

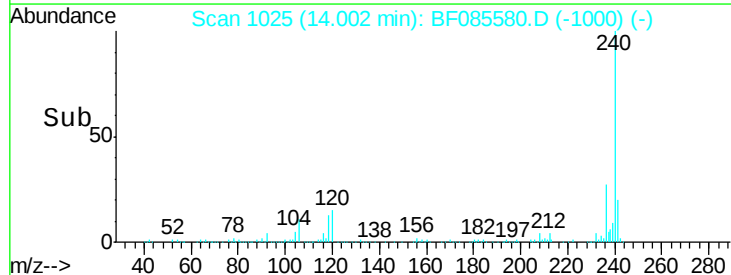
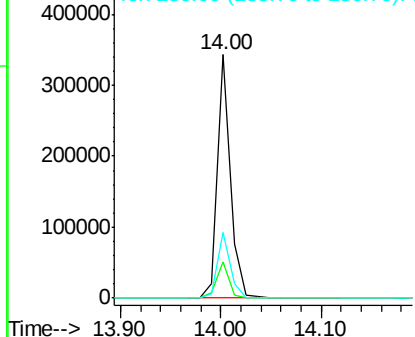


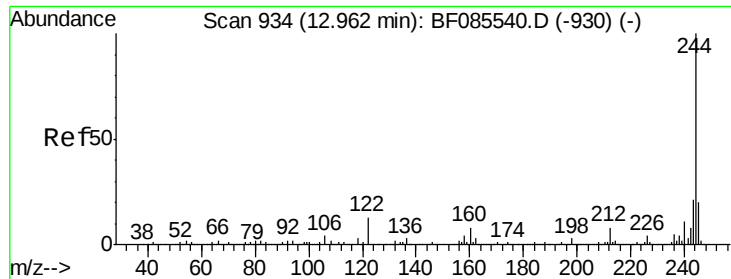
#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 14.00 min Scan# 1025  
 Delta R.T. -0.01 min  
 Lab File: BF085580.D  
 Acq: 19 Mar 2016 18:37

Tgt Ion:240 Resp: 308739  
 Ion Ratio Lower Upper  
 240 100  
 120 14.9 13.8 20.8  
 236 26.8 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

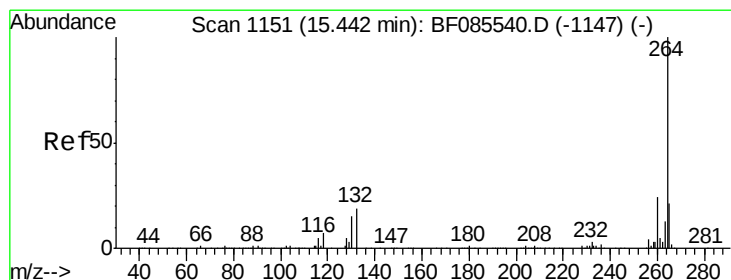
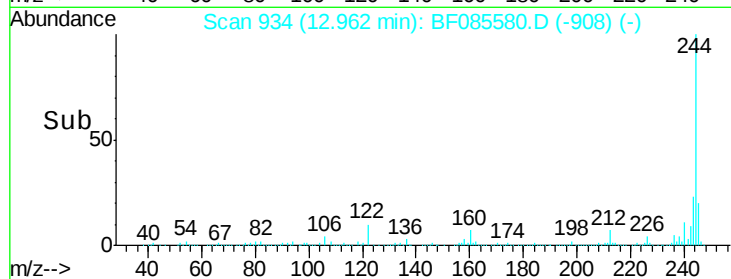
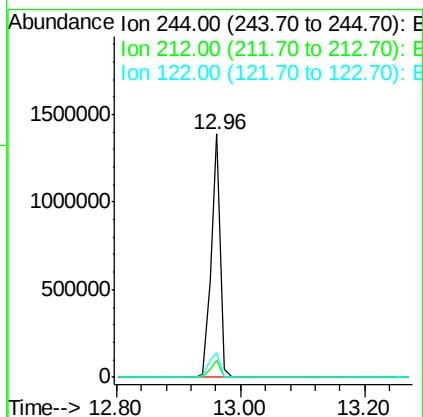
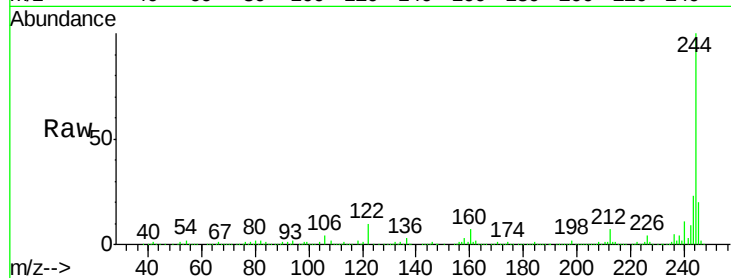




#78  
 Terphenyl-d14  
 Concen: 107.81 ng  
 RT: 12.96 min Scan# 934  
 Delta R.T. 0.00 min  
 Lab File: BF085580.D  
 Acq: 19 Mar 2016 18:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-3(7-8)

Tgt Ion:244 Resp: 1383154  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 6.1 9.1  
 122 10.4 10.2 15.4



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.43 min Scan# 1150  
 Delta R.T. -0.01 min  
 Lab File: BF085580.D  
 Acq: 19 Mar 2016 18:37

Tgt Ion:264 Resp: 230352  
 Ion Ratio Lower Upper  
 264 100  
 260 24.4 19.4 29.2  
 265 21.6 17.2 25.8

