

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF110819\  
 Data File : BF117731.D  
 Acq On : 8 Nov 2019 15:23  
 Operator : JU  
 Sample : K5742-09  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-37-(8-10)

Quant Time: Nov 09 01:21:41 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF110619.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 06 17:27:10 2019  
 Response via : Initial Calibration

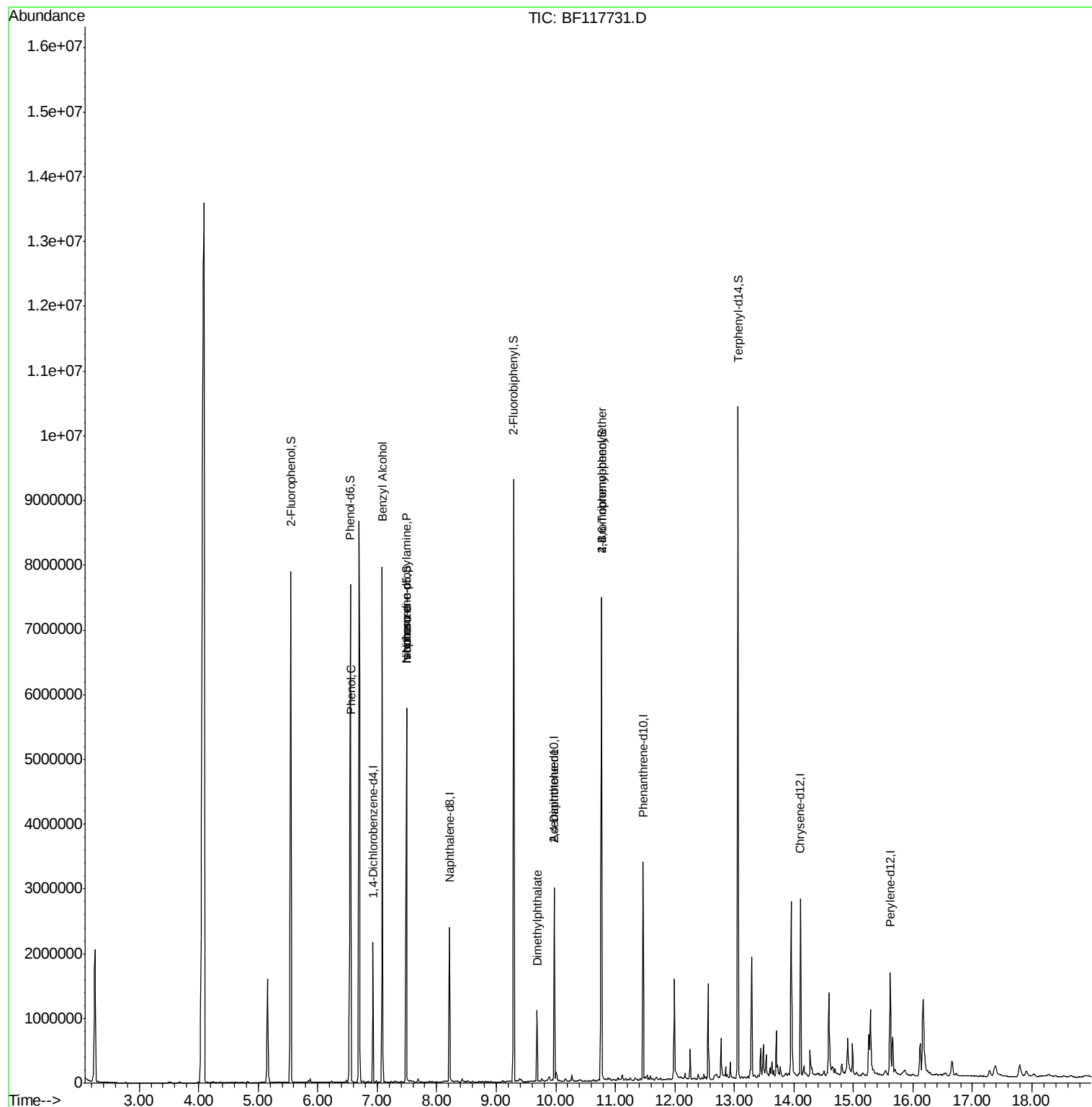
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.93  | 152  | 283503   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8             | 8.22  | 136  | 1090278  | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10           | 9.97  | 164  | 589644   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10           | 11.47 | 188  | 1168286  | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 14.11 | 240  | 905759   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12               | 15.62 | 264  | 783291   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.55  | 112  | 2497542  | 159.47 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.55  | 99   | 3153787  | 163.31 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.49  | 82   | 1935304  | 104.80 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol       | 10.77 | 330  | 997672   | 172.96 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.29  | 172  | 3167694  | 105.99 | ng    | -0.01    |
| 79) Terphenyl-d14              | 13.06 | 244  | 3802260  | 86.42  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 6.56  | 94   | 141276   | 6.789  | ng    | 96       |
| 15) Benzyl Alcohol             | 7.09  | 79   | 34977    | 2.272  | ng    | # 49     |
| 19) n-Nitroso-di-n-propylamine | 7.49  | 70   | 271604   | 21.390 | ng    | # 77     |
| 25) Isophorone                 | 7.49  | 82   | 1930162  | 54.647 | ng    | # 62     |
| 50) Dimethylphthalate          | 9.69  | 163  | 431424   | 10.823 | ng    | 97       |
| 57) 2,4-Dinitrotoluene         | 9.97  | 165  | 76968    | 6.722  | ng    | # 28     |
| 67) 4-Bromophenyl-phenylether  | 10.77 | 248  | 62965    | 4.935  | ng    | # 1      |

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

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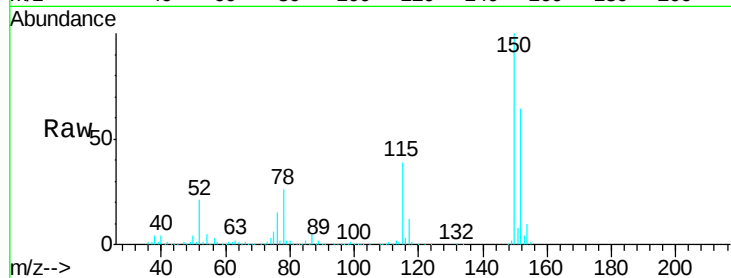


#1

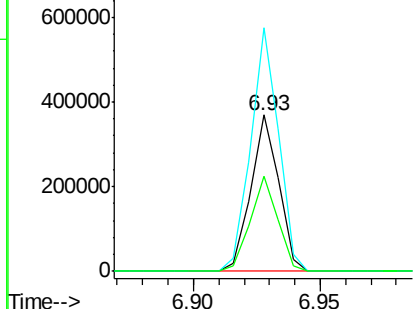
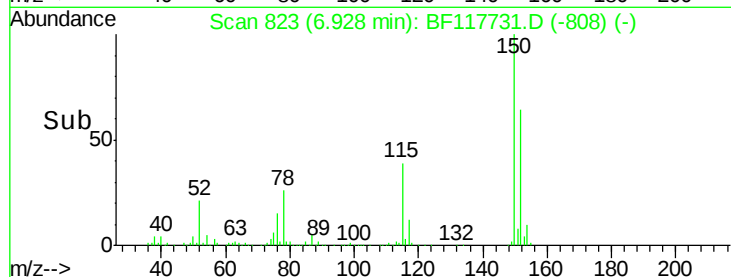
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.93 min Scan# 823  
Delta R.T. -0.01 min  
Lab File: BF117731.D  
Acq: 8 Nov 2019 15:23

Instrument :  
BNA\_F  
ClientSampleId :  
SB-37-(8-10)

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.1 | 121.4 | 182.2 |
| 115     | 60.9  | 46.7  | 70.1  |



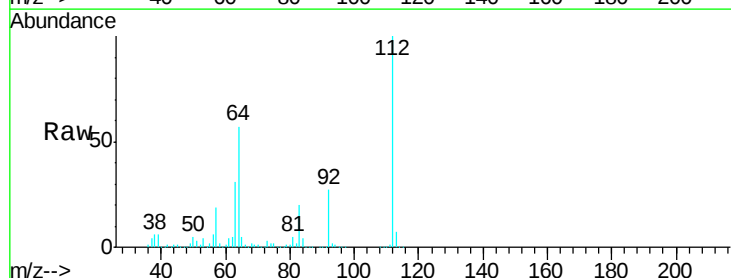
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



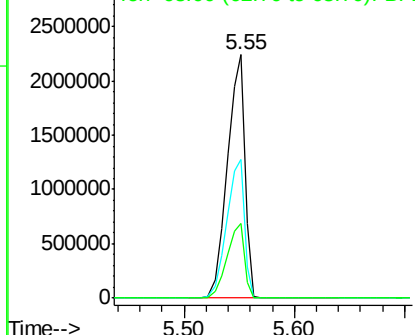
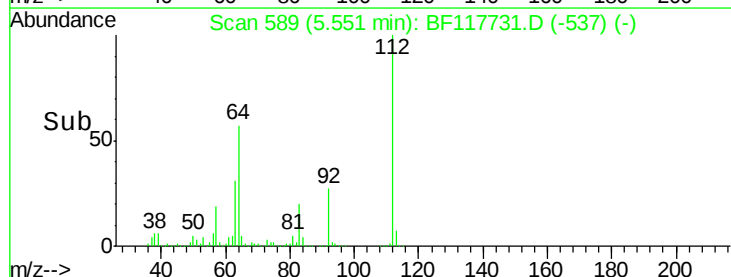
#5

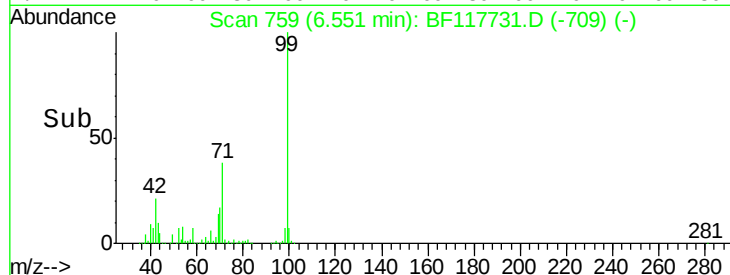
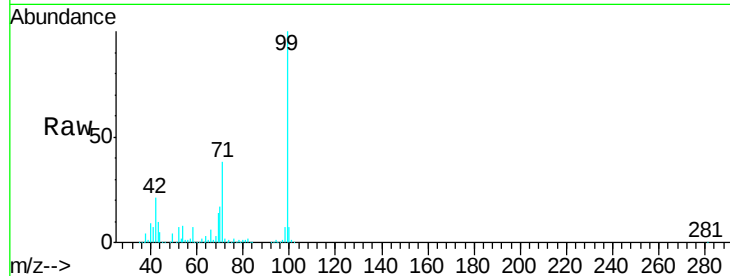
2-Fluorophenol  
Concen: 159.467 ng  
RT: 5.55 min Scan# 589  
Delta R.T. 0.01 min  
Lab File: BF117731.D  
Acq: 8 Nov 2019 15:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 57.1  | 46.4  | 69.6  |
| 63      | 30.8  | 24.6  | 37.0  |



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF1  
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 163.311 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF117731.D

Acq: 8 Nov 2019 15:23

Instrument :

BNA\_F

ClientSampleId :

SB-37-(8-10)

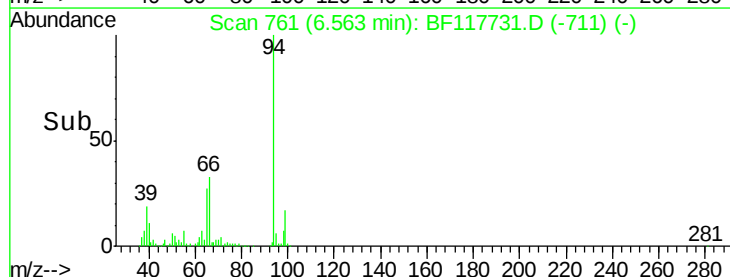
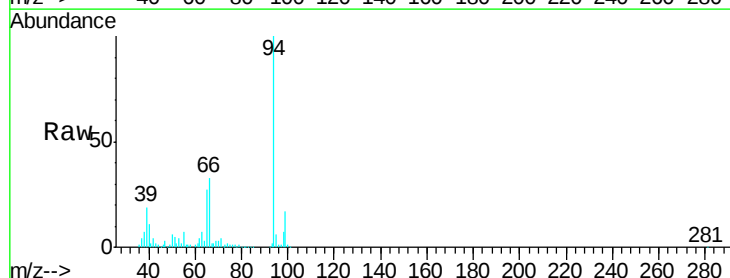
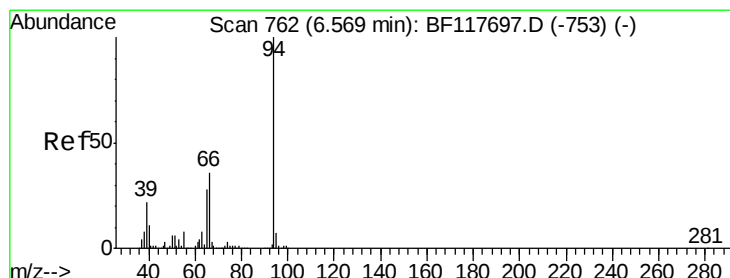
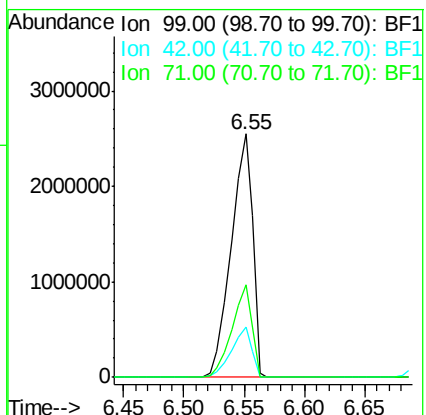
Tgt Ion: 99 Resp: 3153787

Ion Ratio Lower Upper

99 100

42 20.9 15.3 22.9

71 38.0 26.8 40.2



#10

Phenol

Concen: 6.789 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF117731.D

Acq: 8 Nov 2019 15:23

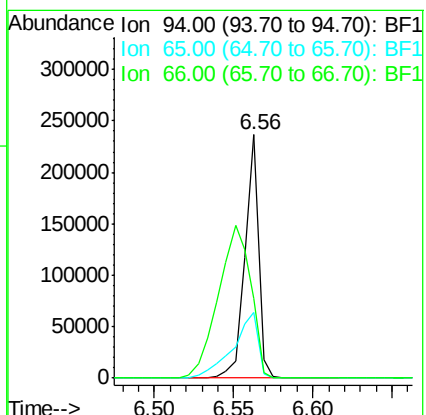
Tgt Ion: 94 Resp: 141276

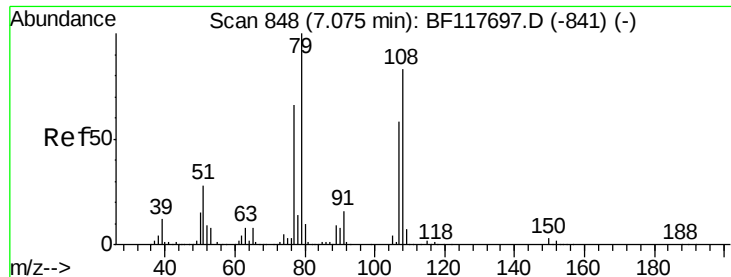
Ion Ratio Lower Upper

94 100

65 26.9 7.6 47.6

66 32.9 16.1 56.1





#15

Benzyl Alcohol

Concen: 2.272 ng

RT: 7.09 min Scan# 850

Delta R.T. 0.01 min

Lab File: BF117731.D

Acq: 8 Nov 2019 15:23

Instrument :

BNA\_F

ClientSampleId :

SB-37-(8-10)

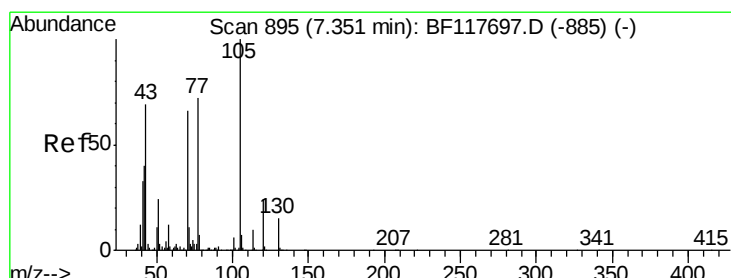
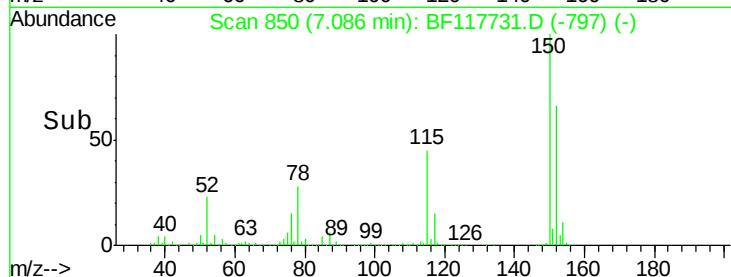
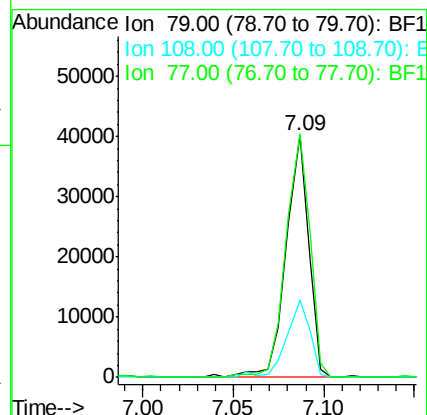
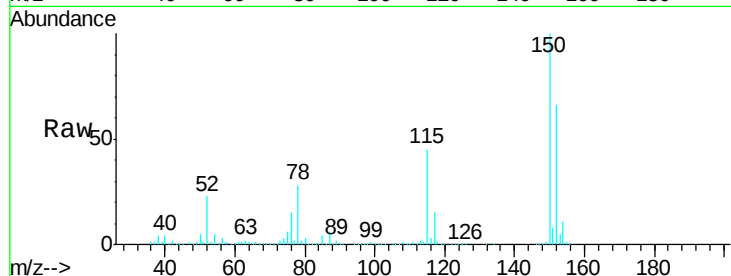
Tgt Ion: 79 Resp: 34977

Ion Ratio Lower Upper

79 100

108 32.0 66.5 99.7#

77 100.6 52.9 79.3#



#19

n-Nitroso-di-n-propylamine

Concen: 21.390 ng

RT: 7.49 min Scan# 919

Delta R.T. 0.14 min

Lab File: BF117731.D

Acq: 8 Nov 2019 15:23

Tgt Ion: 70 Resp: 271604

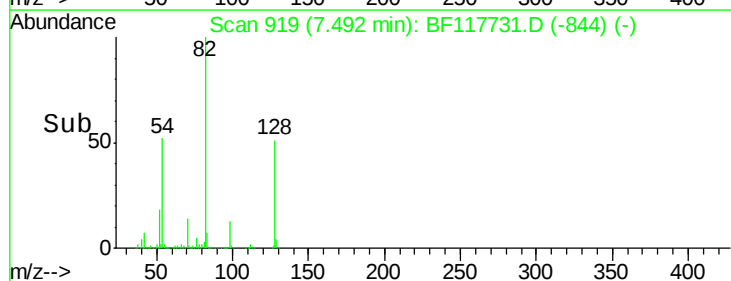
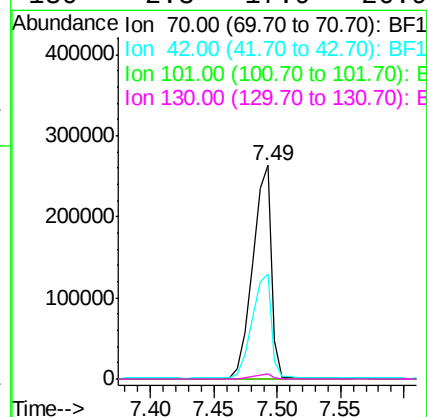
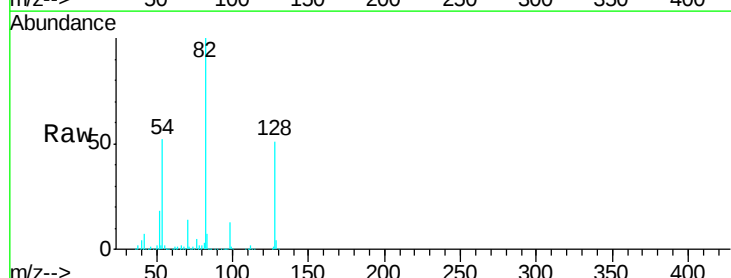
Ion Ratio Lower Upper

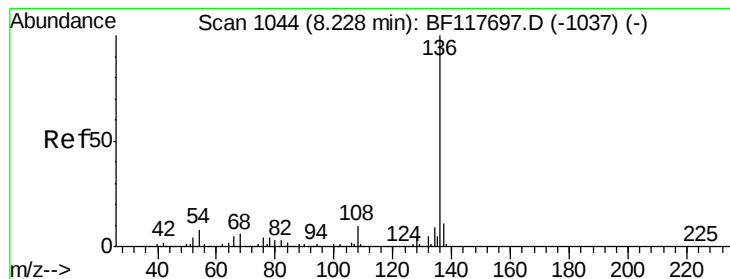
70 100

42 49.3 49.1 73.7

101 0.0 7.8 11.8#

130 2.3 17.9 26.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.22 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BF117731.D

Acq: 8 Nov 2019 15:23

Instrument :

BNA\_F

ClientSampleId :

SB-37-(8-10)

Tgt Ion:136 Resp: 1090278

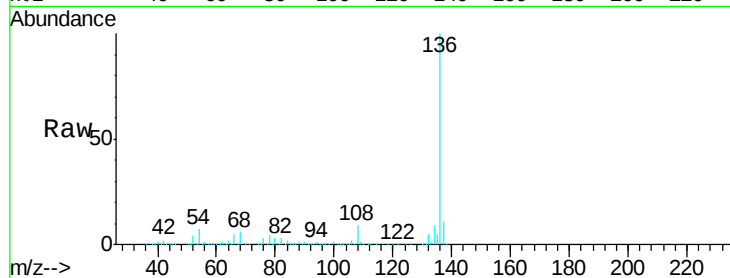
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 7.5 6.0 9.0

68 5.7 4.8 7.2

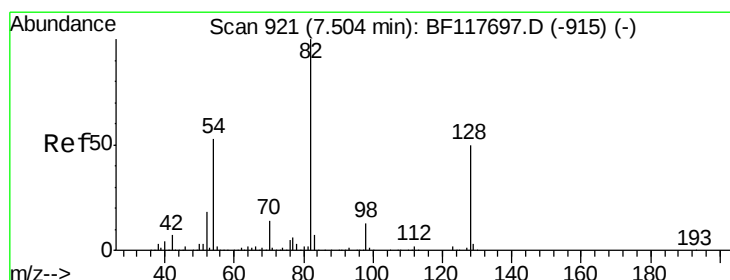
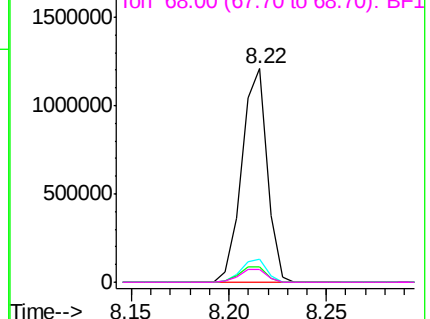
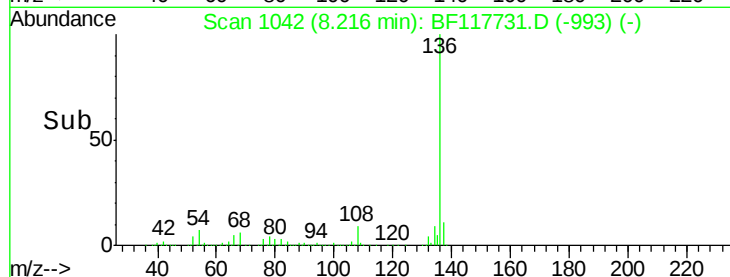


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 104.798 ng

RT: 7.49 min Scan# 919

Delta R.T. -0.01 min

Lab File: BF117731.D

Acq: 8 Nov 2019 15:23

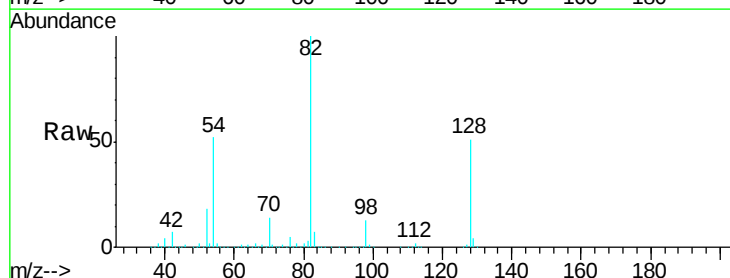
Tgt Ion: 82 Resp: 1935304

Ion Ratio Lower Upper

82 100

128 50.7 40.2 60.2

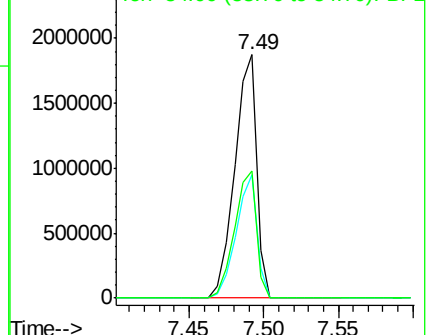
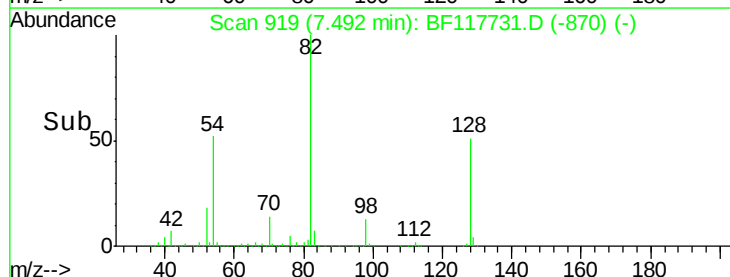
54 52.3 42.0 63.0

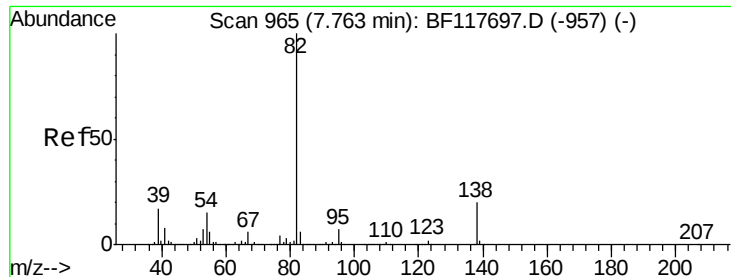


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 54.647 ng

RT: 7.49 min Scan# 919

Delta R.T. -0.27 min

Lab File: BF117731.D

Acq: 8 Nov 2019 15:23

Instrument :

BNA\_F

ClientSampleId :

SB-37-(8-10)

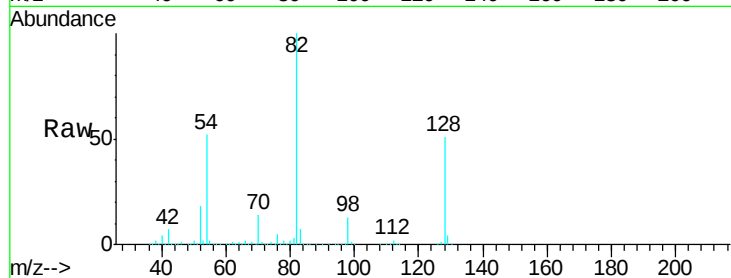
Tgt Ion: 82 Resp: 1930162

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

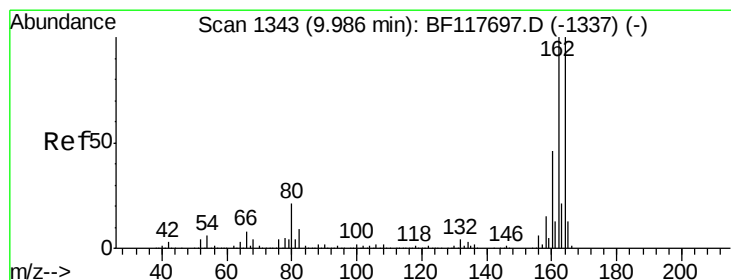
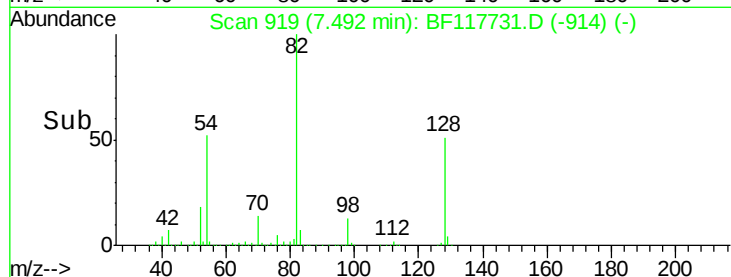
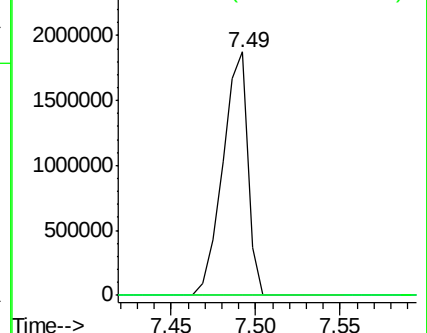
138 0.0 16.2 24.2#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.97 min Scan# 1341

Delta R.T. -0.01 min

Lab File: BF117731.D

Acq: 8 Nov 2019 15:23

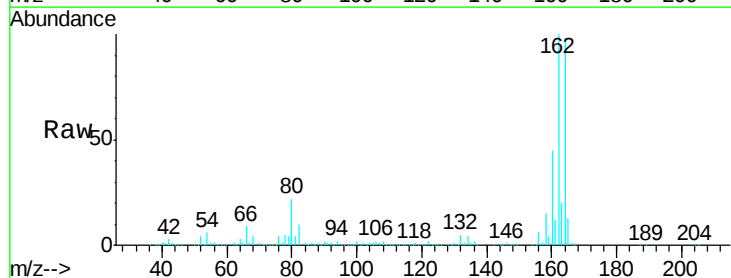
Tgt Ion: 164 Resp: 589644

Ion Ratio Lower Upper

164 100

162 102.4 79.7 119.5

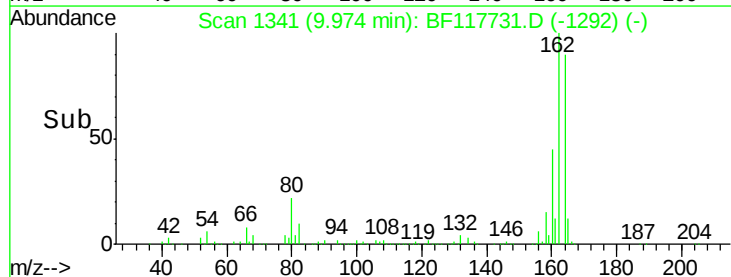
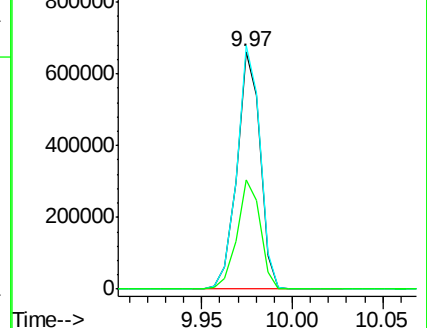
160 45.9 36.5 54.7

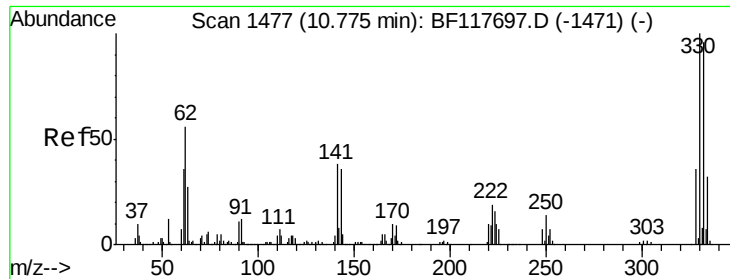


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

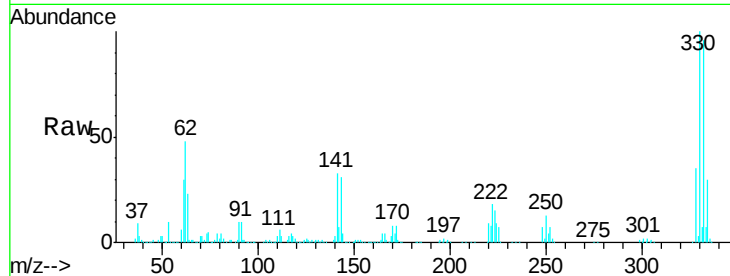




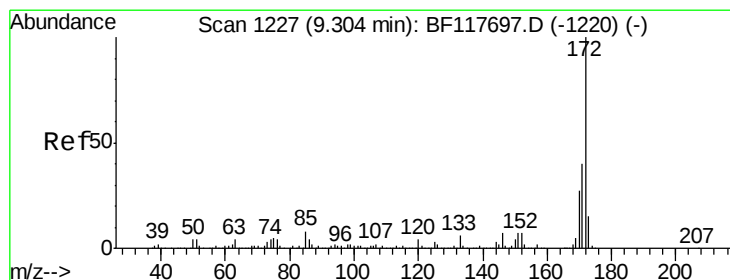
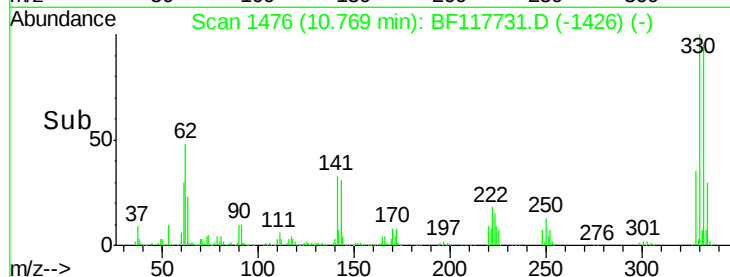
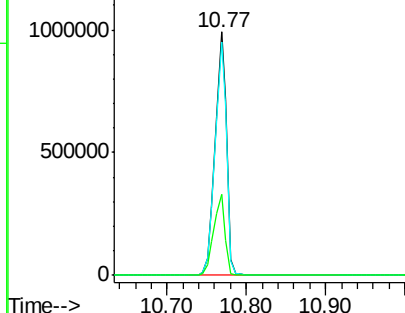
#42  
 2,4,6-Tribromophenol  
 Concen: 172.965 ng  
 RT: 10.77 min Scan# 1476  
 Delta R.T. -0.01 min  
 Lab File: BF117731.D  
 Acq: 8 Nov 2019 15:23

Instrument :  
 BNA\_F  
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Tgt Ion:330 Resp: 997672  
 Ion Ratio Lower Upper  
 330 100  
 332 96.5 77.4 116.0  
 141 32.9 28.0 42.0

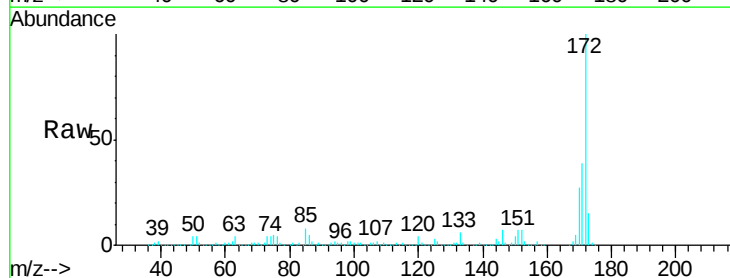


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

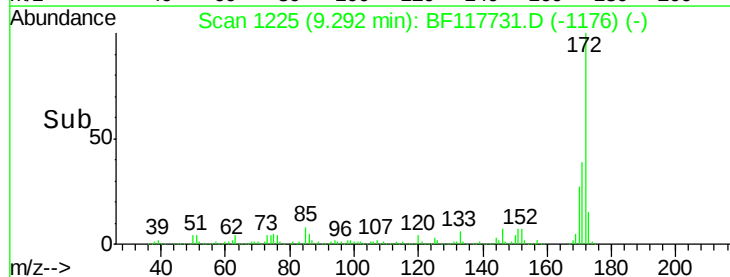
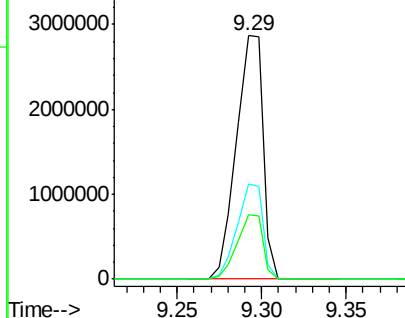


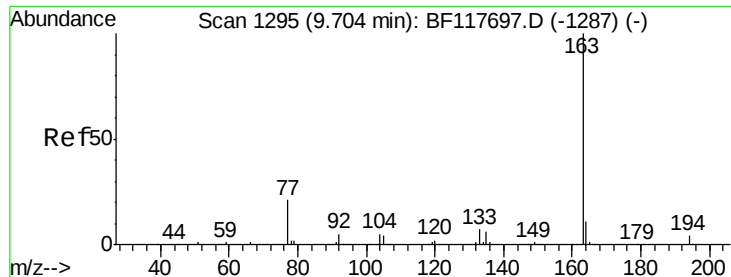
#45  
 2-Fluorobiphenyl  
 Concen: 105.995 ng  
 RT: 9.29 min Scan# 1225  
 Delta R.T. -0.01 min  
 Lab File: BF117731.D  
 Acq: 8 Nov 2019 15:23

Tgt Ion:172 Resp: 3167694  
 Ion Ratio Lower Upper  
 172 100  
 171 39.1 31.8 47.8  
 170 26.6 21.6 32.4



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

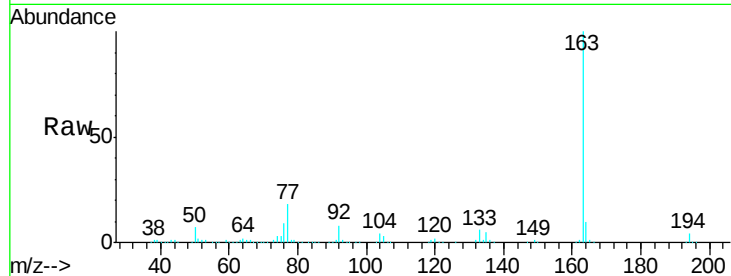




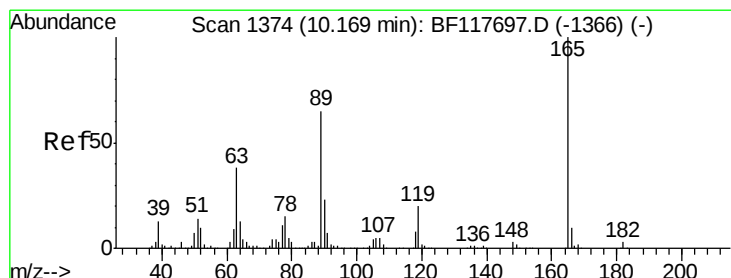
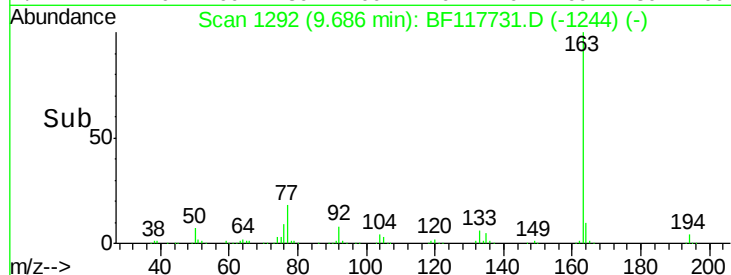
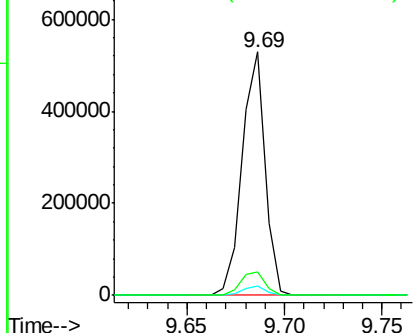
#50  
Dimethylphthalate  
Concen: 10.823 ng  
RT: 9.69 min Scan# 1292  
Delta R.T. -0.02 min  
Lab File: BF117731.D  
Acq: 8 Nov 2019 15:23

Instrument :  
BNA\_F  
ClientSampleId :  
SB-37-(8-10)

Tgt Ion:163 Resp: 431424  
Ion Ratio Lower Upper  
163 100  
194 4.0 3.4 5.0  
164 9.8 8.9 13.3

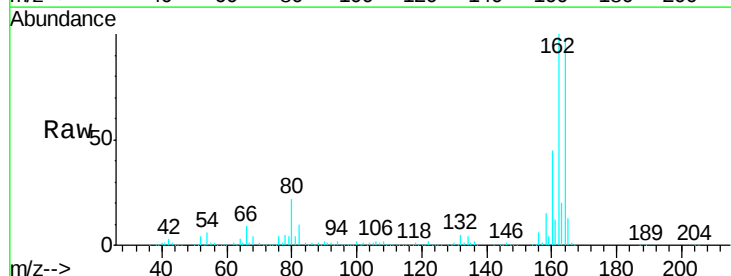


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

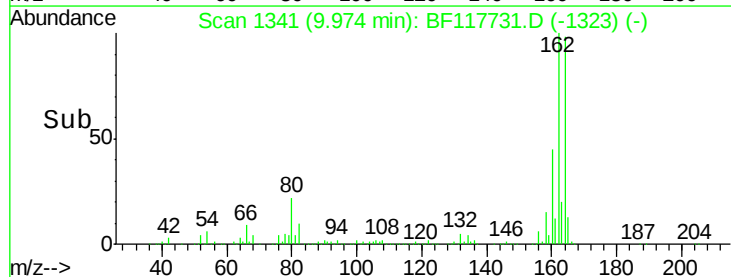
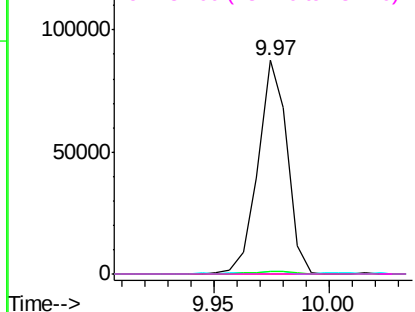


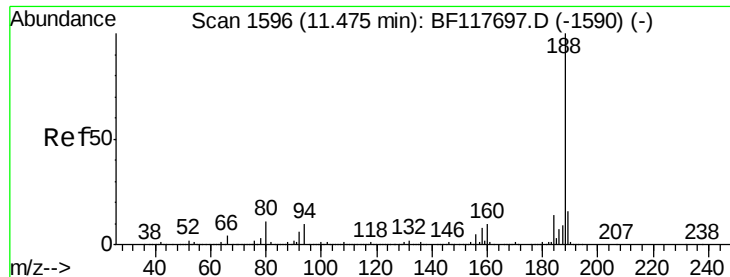
#57  
2,4-Dinitrotoluene  
Concen: 6.722 ng  
RT: 9.97 min Scan# 1341  
Delta R.T. -0.19 min  
Lab File: BF117731.D  
Acq: 8 Nov 2019 15:23

Tgt Ion:165 Resp: 76968  
Ion Ratio Lower Upper  
165 100  
63 1.5 30.4 45.6#  
89 1.2 52.2 78.4#  
182 0.0 2.3 3.5#



Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1  
Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.47 min Scan# 1595

Delta R.T. -0.01 min

Lab File: BF117731.D

Acq: 8 Nov 2019 15:23

Instrument :

BNA\_F

ClientSampleId :

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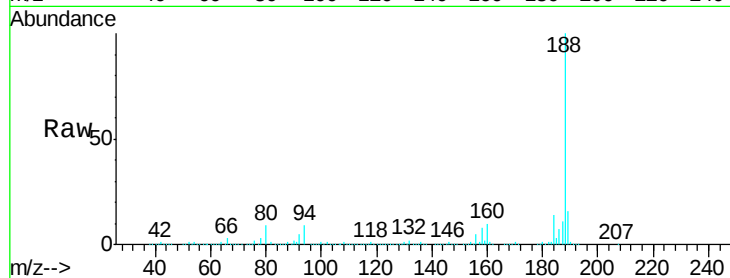
Tgt Ion:188 Resp: 1168286

Ion Ratio Lower Upper

188 100

94 9.5 8.2 12.4

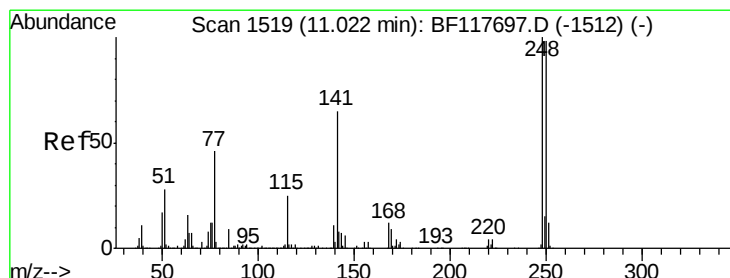
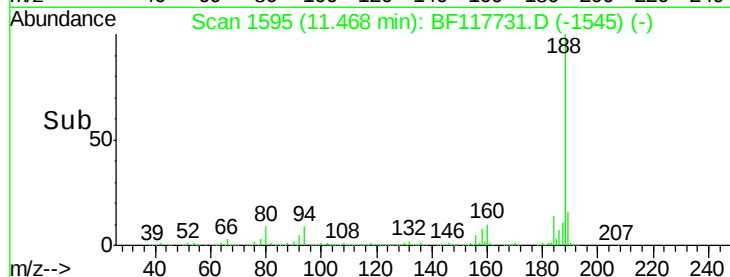
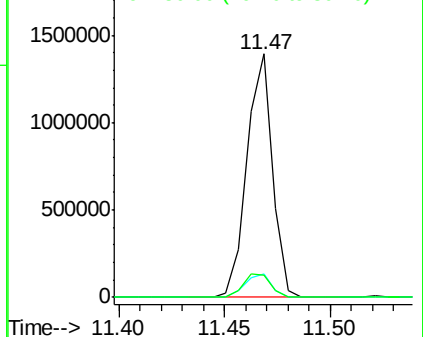
80 9.4 8.6 13.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#67

4-Bromophenyl-phenylether

Concen: 4.935 ng

RT: 10.77 min Scan# 1476

Delta R.T. -0.25 min

Lab File: BF117731.D

Acq: 8 Nov 2019 15:23

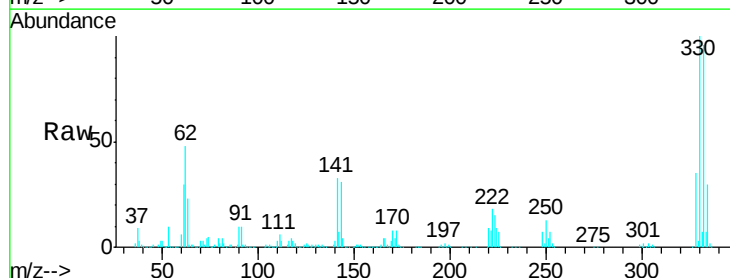
Tgt Ion:248 Resp: 62965

Ion Ratio Lower Upper

248 100

250 197.7 78.7 118.1#

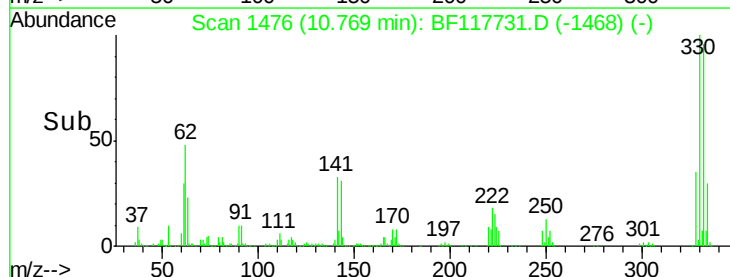
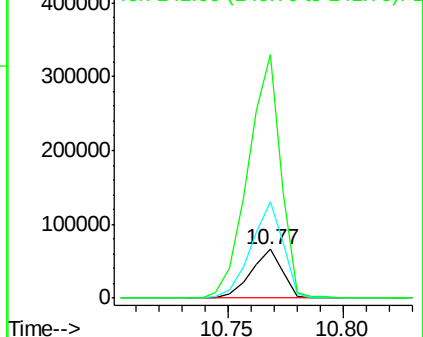
141 496.6 51.8 77.8#

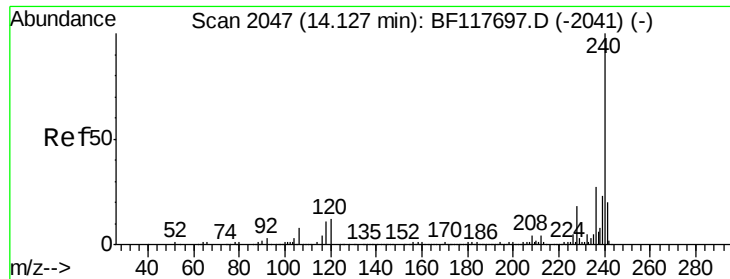


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

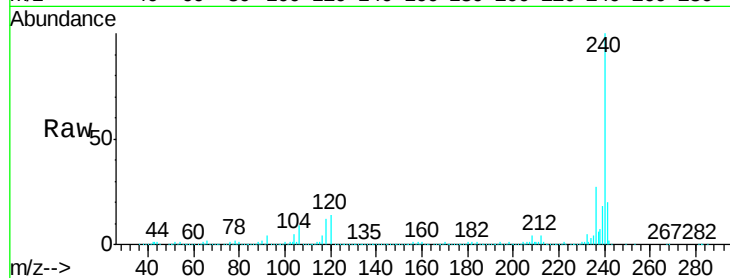




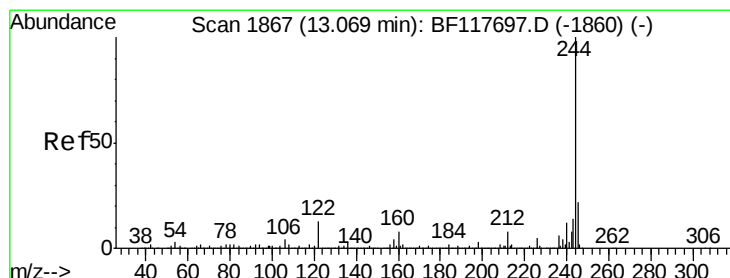
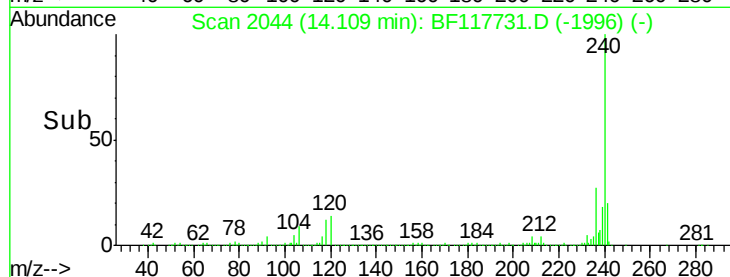
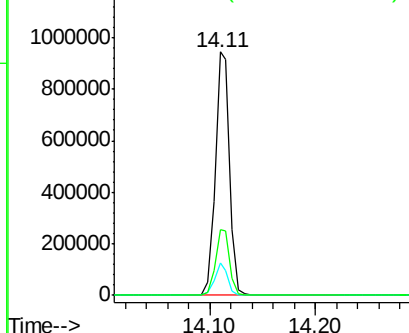
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.11 min Scan# 2044  
Delta R.T. -0.02 min  
Lab File: BF117731.D  
Acq: 8 Nov 2019 15:23

Instrument :  
BNA\_F  
ClientSampleId :  
SB-37-(8-10)

Tgt Ion:240 Resp: 905759  
Ion Ratio Lower Upper  
240 100  
120 13.5 9.7 14.5  
236 27.0 21.9 32.9

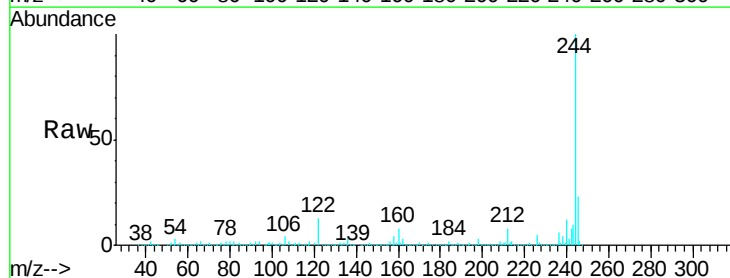


Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

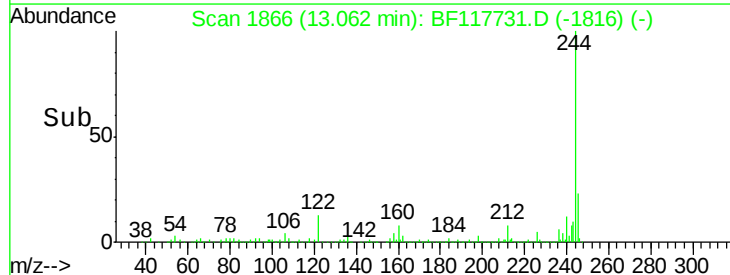
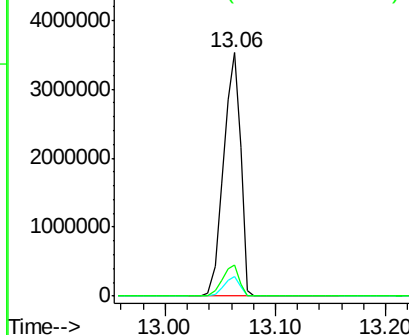


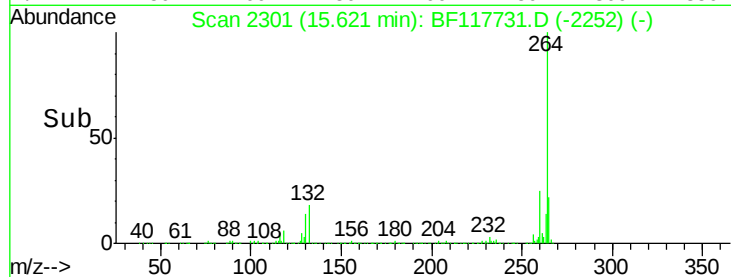
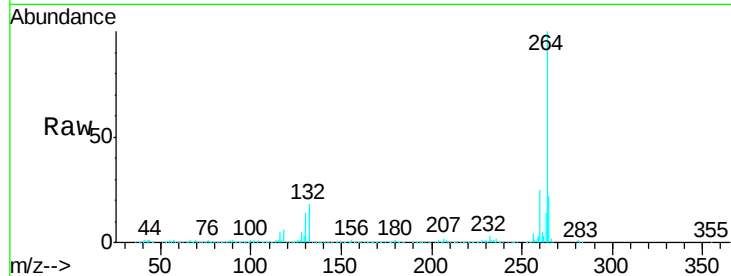
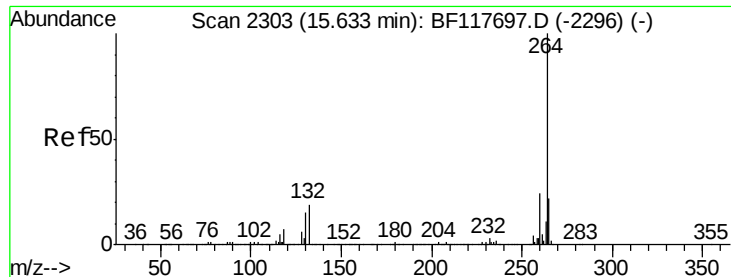
#79  
Terphenyl-d14  
Concen: 86.417 ng  
RT: 13.06 min Scan# 1866  
Delta R.T. -0.01 min  
Lab File: BF117731.D  
Acq: 8 Nov 2019 15:23

Tgt Ion:244 Resp: 3802260  
Ion Ratio Lower Upper  
244 100  
212 8.2 6.4 9.6  
122 12.7 10.0 15.0



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





#87  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.62 min Scan# 2301  
Delta R.T. -0.01 min  
Lab File: BF117731.D  
Acq: 8 Nov 2019 15:23

Instrument :  
BNA\_F  
ClientSampleId :  
SB-37-(8-10)

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.1  | 18.8  | 28.2  |
| 265     | 22.0  | 17.7  | 26.5  |

