

Data File : BF100690.D  
Acq On : 17 Nov 2017 22:51  
Operator : SJ/JU  
Sample : I6478-03  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SP-1-B

Quant Time: Nov 17 23:49:29 2017  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110817.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Nov 17 15:22:08 2017  
Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.88  | 152  | 114359   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.16  | 136  | 457722   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.92  | 164  | 213732   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.40 | 188  | 392908   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 14.04 | 240  | 276321   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.52 | 264  | 267574   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.50  | 112  | 660160   | 92.54  | ng    | 0.01     |
| 7) Phenol-d6                   | 6.51  | 99   | 825064   | 93.79  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.45  | 82   | 509788   | 73.63  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.71 | 330  | 222735   | 102.27 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.24  | 172  | 907009   | 64.62  | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.99 | 244  | 769725   | 64.01  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       | Qvalue   |
| 9) Benzaldehyde                | 6.65  | 77   | 14100    | 2.24   | ng    | 83       |
| 10) Phenol                     | 6.52  | 94   | 43278    | 4.69   | ng    | 93       |
| 19) n-Nitroso-di-n-propylamine | 7.45  | 70   | 65304    | 10.70  | ng    | # 79     |
| 25) Isophorone                 | 7.45  | 82   | 509780   | 35.04  | ng    | # 64     |
| 47) 2-Nitroaniline             | 9.23  | 65   | 1415     | 3.12   | ng    | # 16     |
| 49) Dimethylphthalate          | 9.63  | 163  | 35398    | 2.17   | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.92  | 165  | 26847    | 8.31   | ng    | # 25     |
| 56) 2,4-Dinitrotoluene         | 9.92  | 165  | 26847    | 6.59   | ng    | # 23     |
| 64) 4,6-Dinitro-2-methylphenol | 10.71 | 198  | 324      | 8.70   | ng    | # 9      |
| 66) 4-Bromophenyl-phenylether  | 10.70 | 248  | 13472    | 3.20   | ng    | # 1      |

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

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SP-1-B

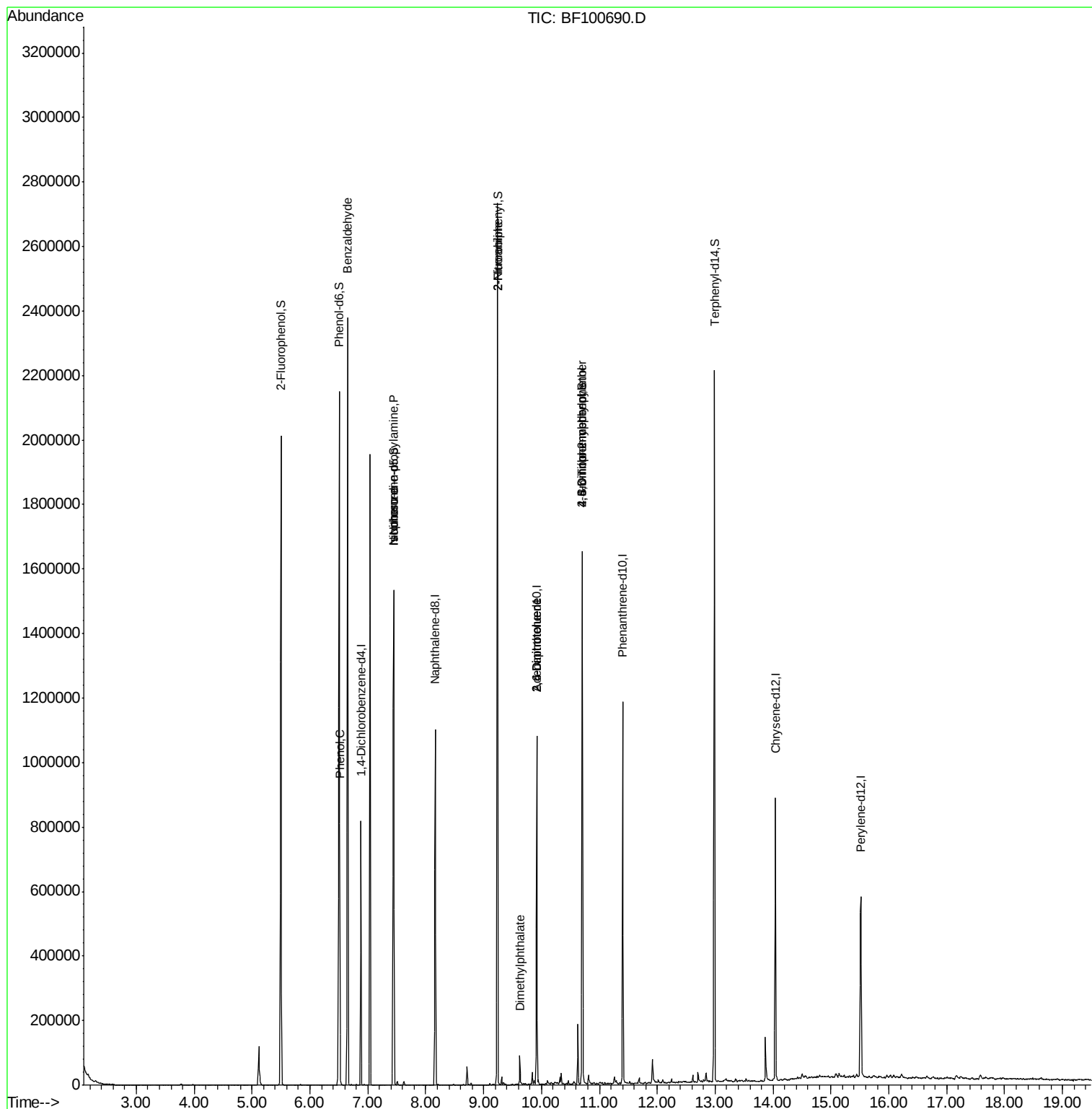
Quant Time: Nov 17 23:49:29 2017

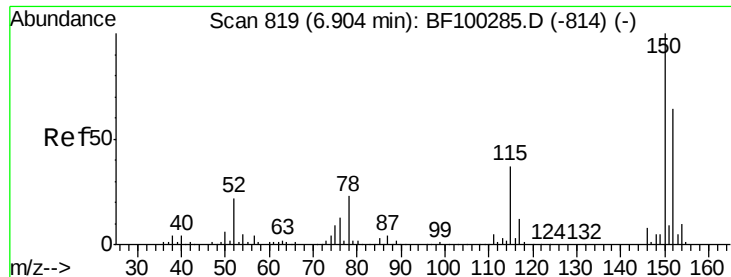
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110817.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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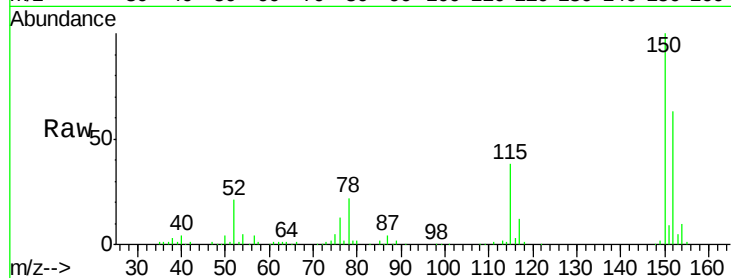


#1

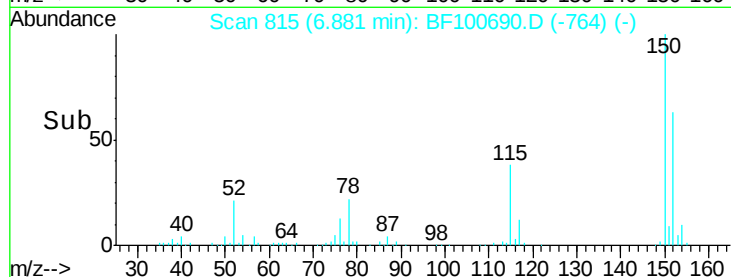
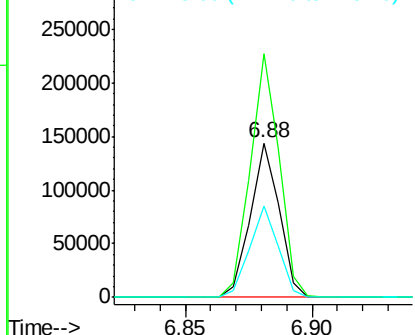
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.88 min Scan# 815  
Delta R.T. 0.00 min  
Lab File: BF100690.D  
Acq: 17 Nov 2017 22:51

Instrument :  
BNA\_F  
ClientSampleId :  
SP-1-B

Tgt Ion:152 Resp: 114359  
Ion Ratio Lower Upper  
152 100  
150 158.1 124.6 186.8  
115 59.5 50.1 75.1



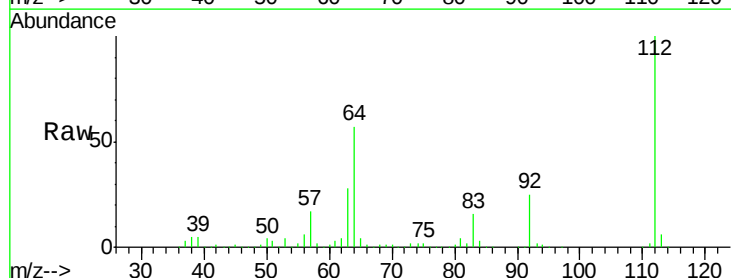
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



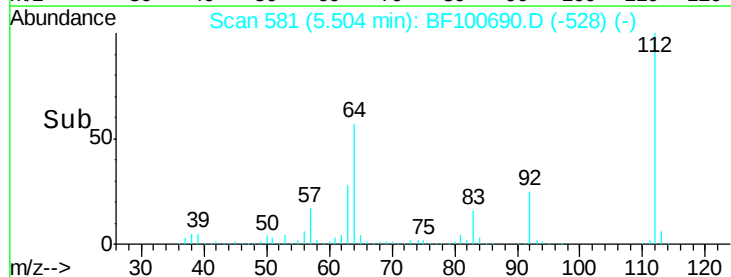
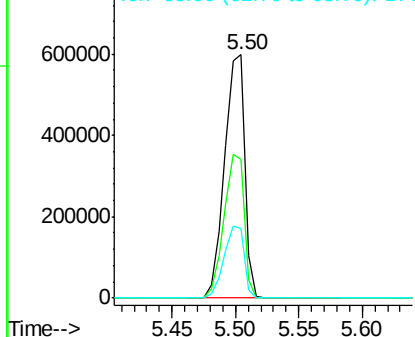
#5

2-Fluorophenol  
Concen: 92.54 ng  
RT: 5.50 min Scan# 581  
Delta R.T. 0.01 min  
Lab File: BF100690.D  
Acq: 17 Nov 2017 22:51

Tgt Ion:112 Resp: 660160  
Ion Ratio Lower Upper  
112 100  
64 56.9 47.9 71.9  
63 28.3 23.7 35.5



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: 93.79 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF100690.D

Acq: 17 Nov 2017 22:51

Instrument :

BNA\_F

ClientSampled :

SP-1-B

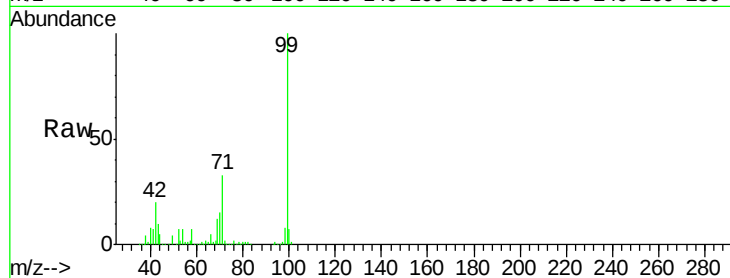
Tgt Ion: 99 Resp: 825064

Ion Ratio Lower Upper

99 100

42 19.9 14.5 21.7

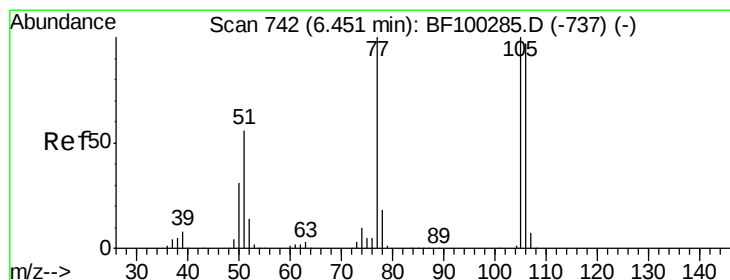
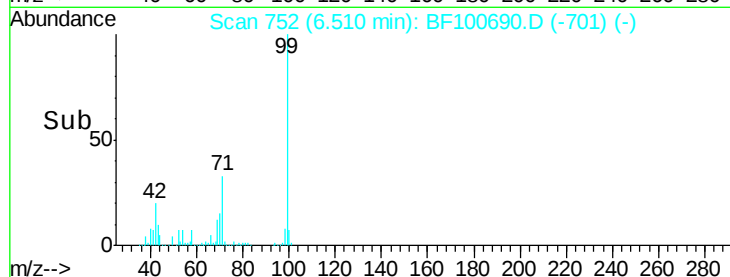
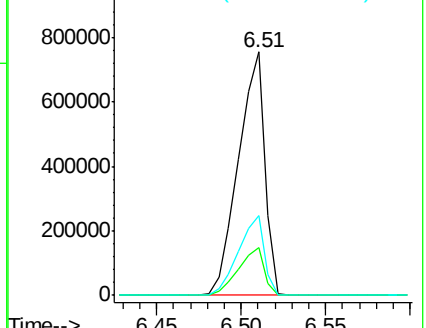
71 32.8 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 2.24 ng

RT: 6.65 min Scan# 776

Delta R.T. 0.22 min

Lab File: BF100690.D

Acq: 17 Nov 2017 22:51

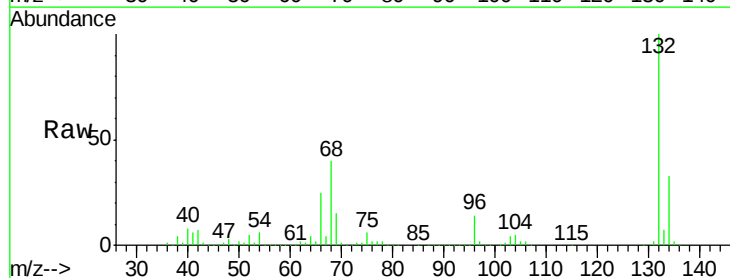
Tgt Ion: 77 Resp: 14100

Ion Ratio Lower Upper

77 100

105 84.1 81.1 121.1

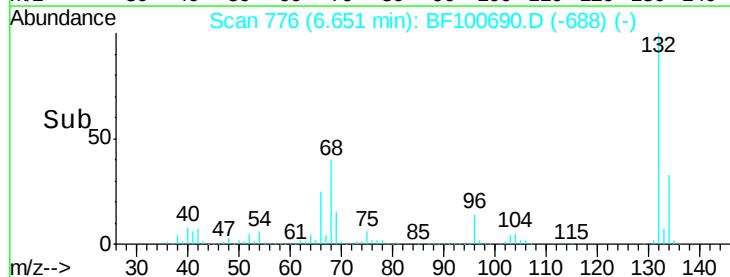
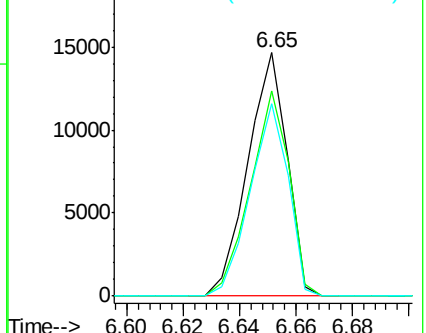
106 78.9 74.5 114.5

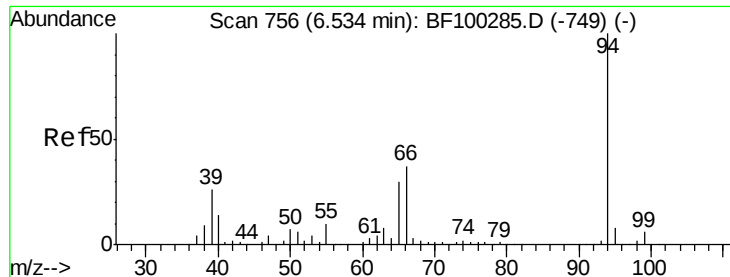


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 4.69 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF100690.D

Acq: 17 Nov 2017 22:51

Instrument :

BNA\_F

ClientSampleId :

SP-1-B

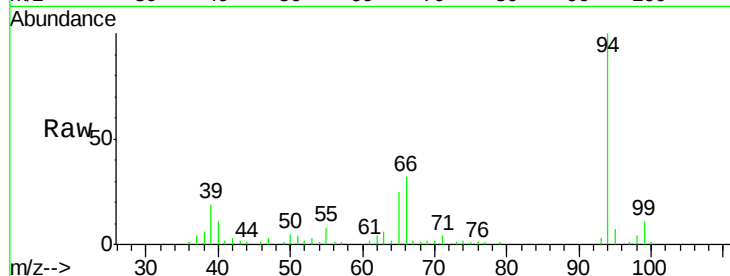
Tgt Ion: 94 Resp: 43278

Ion Ratio Lower Upper

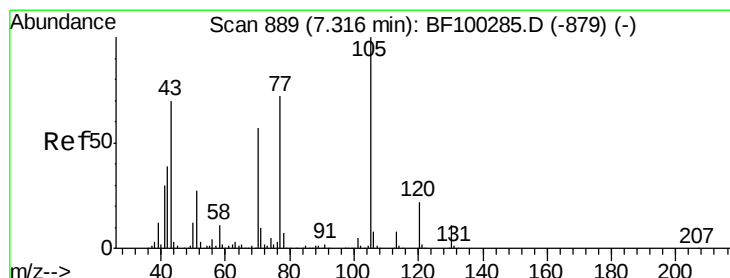
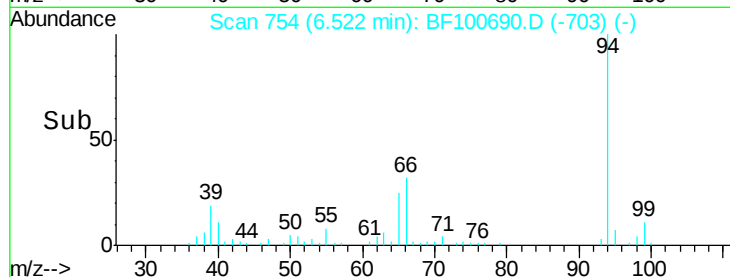
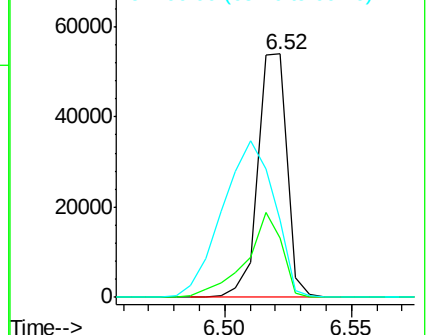
94 100

65 24.6 7.9 47.9

66 31.6 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 10.70 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF100690.D

Acq: 17 Nov 2017 22:51

Tgt Ion: 70 Resp: 65304

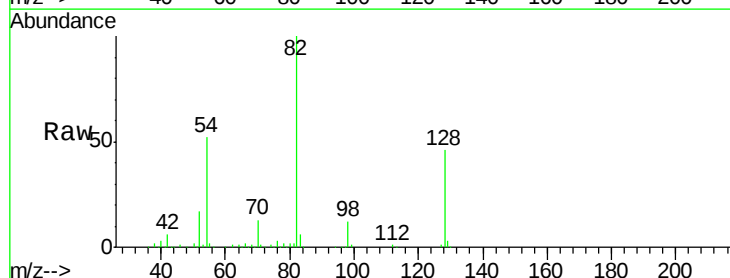
Ion Ratio Lower Upper

70 100

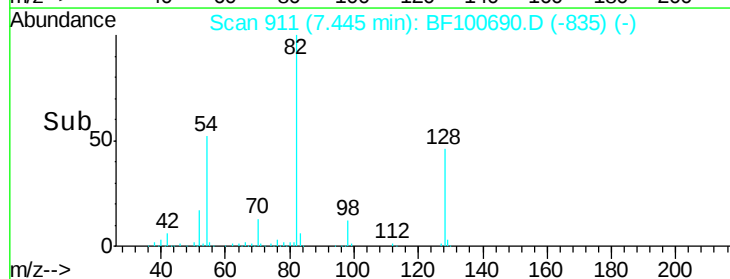
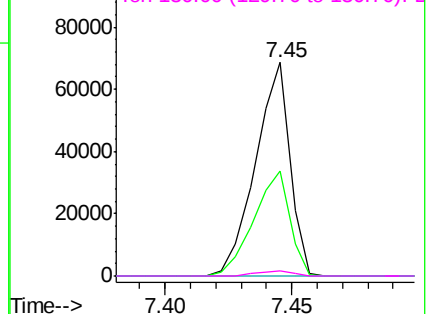
42 49.4 47.5 71.3

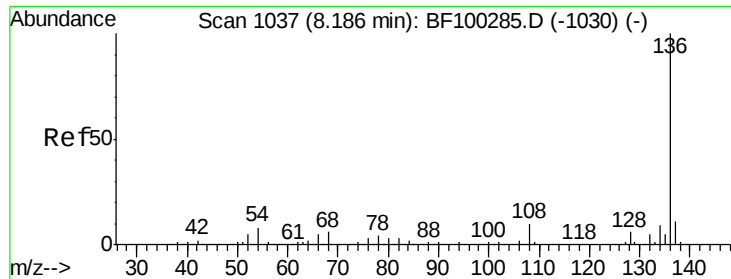
101 0.0 7.4 11.2#

130 2.7 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 101.00 (100.70 to 101.70): BF1  
Ion 130.00 (129.70 to 130.70): BF1

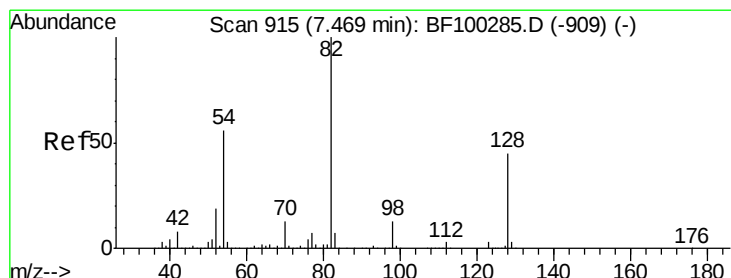
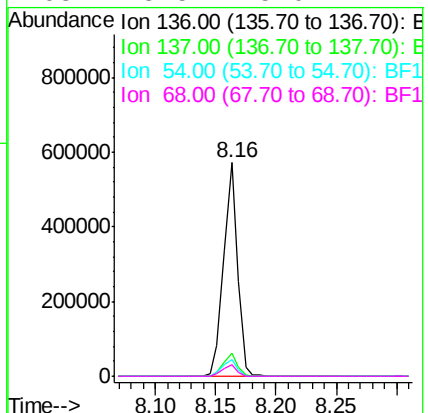
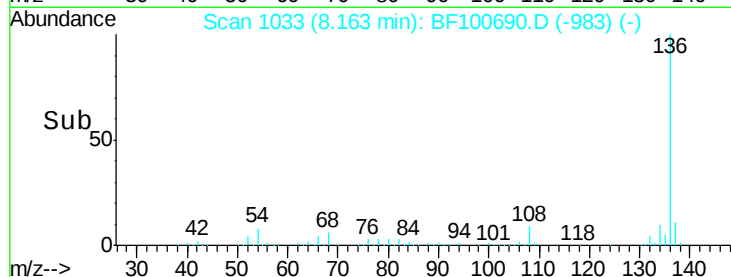
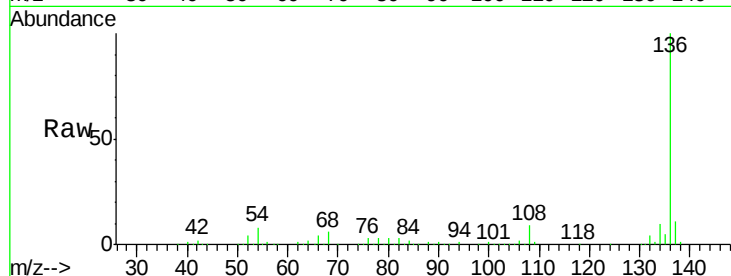




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.16 min Scan# 1033  
Delta R.T. -0.01 min  
Lab File: BF100690.D  
Acq: 17 Nov 2017 22:51

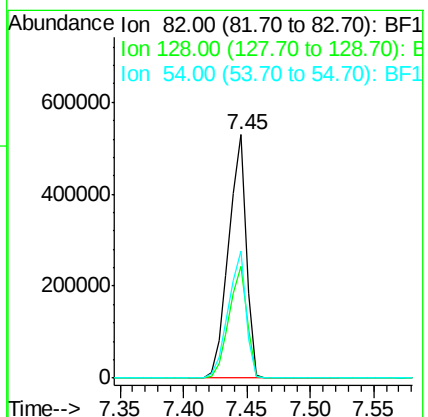
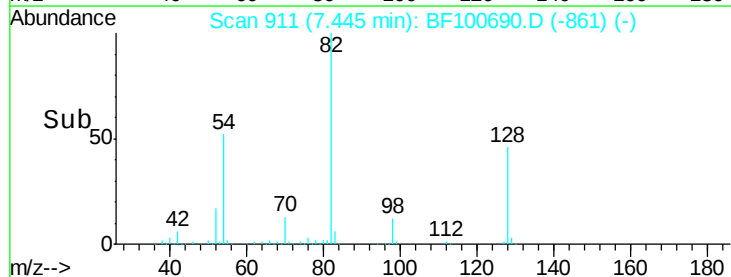
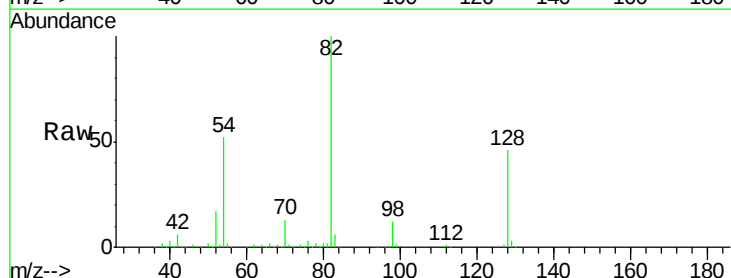
Instrument :  
BNA\_F  
ClientSampleId :  
SP-1-B

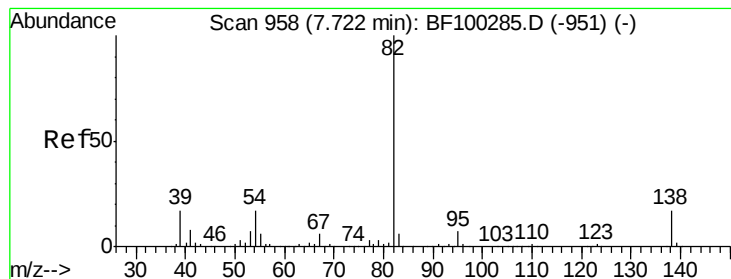
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 457722 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.7  | 8.9   | 13.3   |
| 54       | 7.8   | 6.6   | 9.8    |
| 68       | 5.5   | 5.0   | 7.4    |



#23  
Nitrobenzene-d5  
Concen: 73.63 ng  
RT: 7.45 min Scan# 911  
Delta R.T. -0.01 min  
Lab File: BF100690.D  
Acq: 17 Nov 2017 22:51

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 509788 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 46.0  | 36.1  | 54.1   |
| 54       | 52.2  | 41.4  | 62.2   |





#25

Isophorone

Concen: 35.04 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF100690.D

Acq: 17 Nov 2017 22:51

Instrument :

BNA\_F

ClientSampleId :

SP-1-B

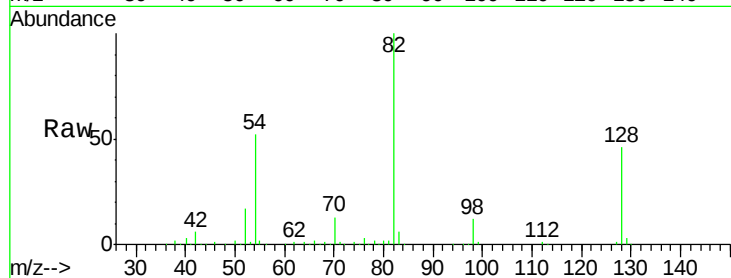
Tgt Ion: 82 Resp: 509780

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

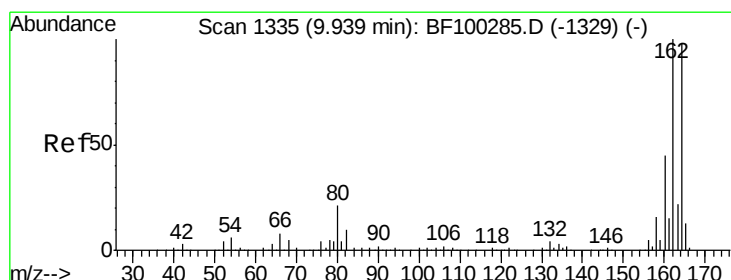
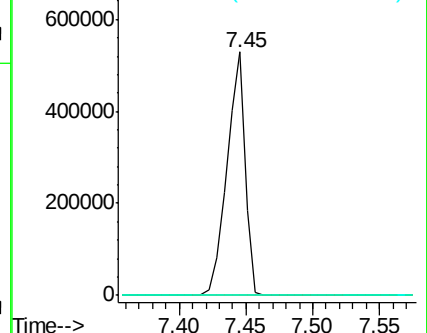
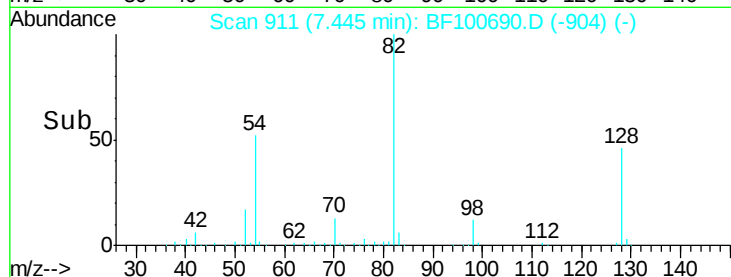
138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF100690.D

Acq: 17 Nov 2017 22:51

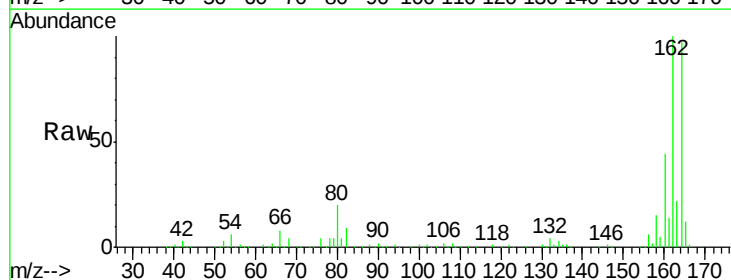
Tgt Ion: 164 Resp: 213732

Ion Ratio Lower Upper

164 100

162 103.5 86.1 129.1

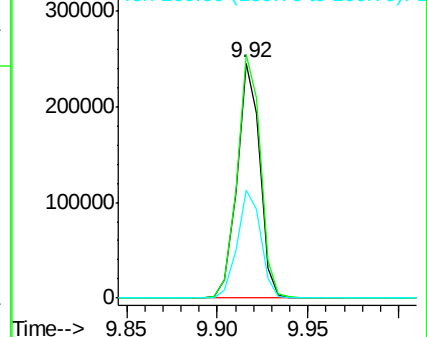
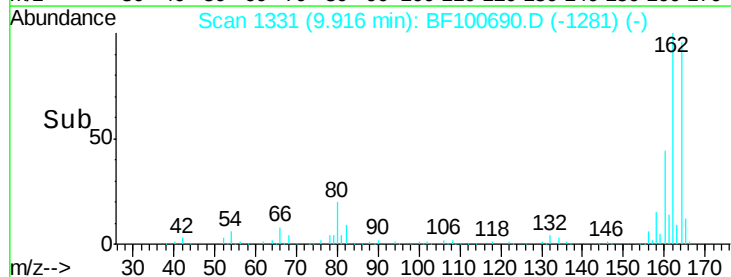
160 45.9 38.3 57.5

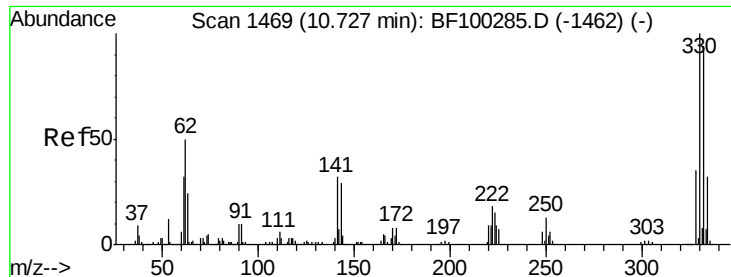


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

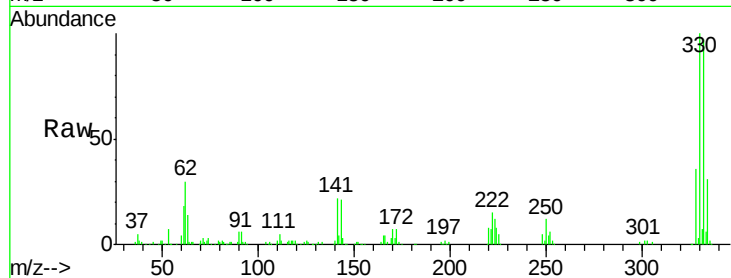




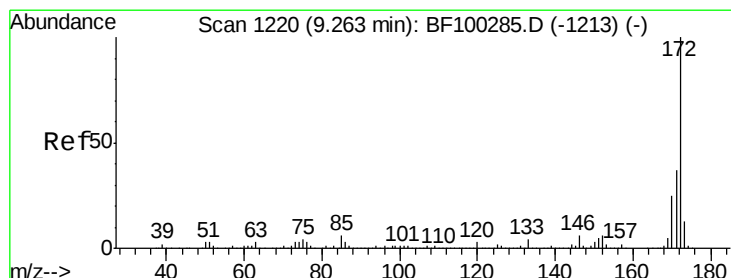
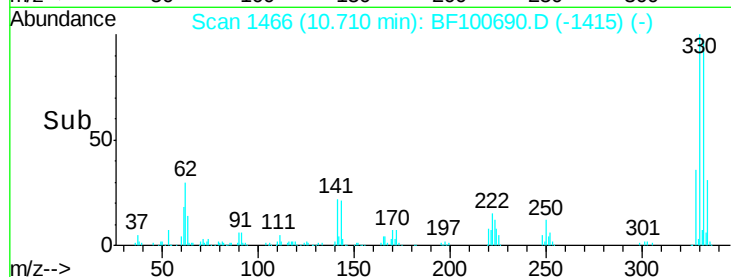
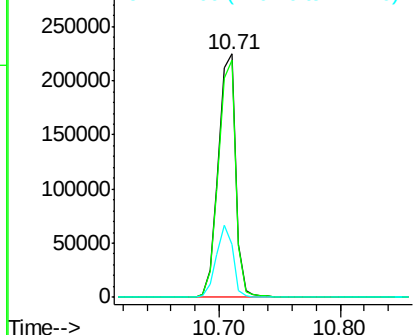
#41  
 2,4,6-Tribromophenol  
 Concen: 102.27 ng  
 RT: 10.71 min Scan# 1466  
 Delta R.T. 0.00 min  
 Lab File: BF100690.D  
 Acq: 17 Nov 2017 22:51

Instrument :  
 BNA\_F  
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 SP-1-B

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.2  | 77.0  | 115.6 |
| 141     | 28.3  | 29.9  | 44.9# |

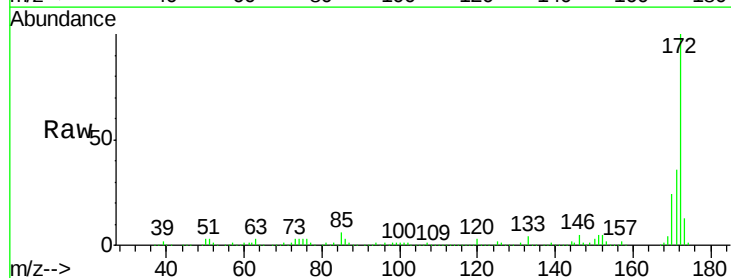


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

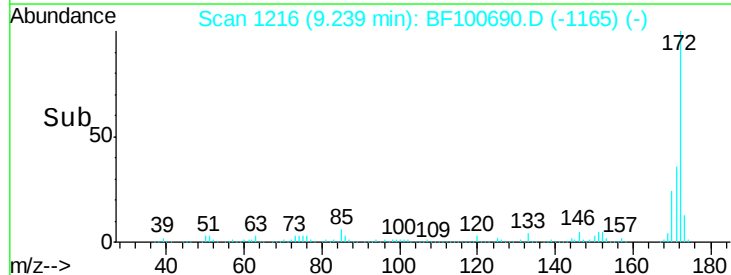
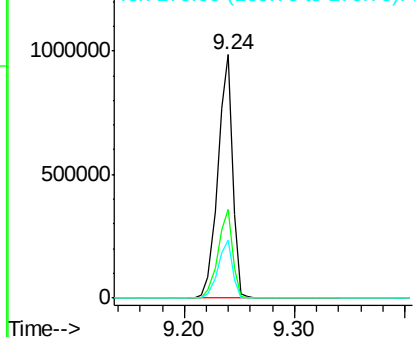


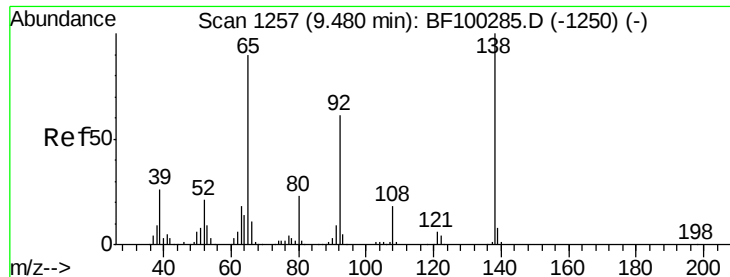
#44  
 2-Fluorobiphenyl  
 Concen: 64.62 ng  
 RT: 9.24 min Scan# 1216  
 Delta R.T. 0.00 min  
 Lab File: BF100690.D  
 Acq: 17 Nov 2017 22:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.4  | 29.7  | 44.5  |
| 170     | 23.7  | 19.6  | 29.4  |



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

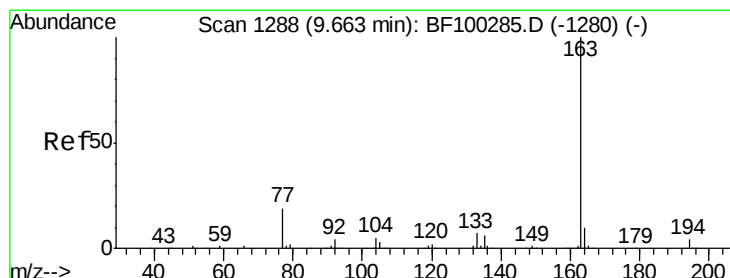
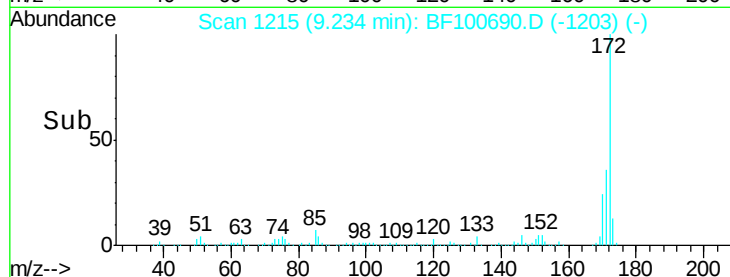
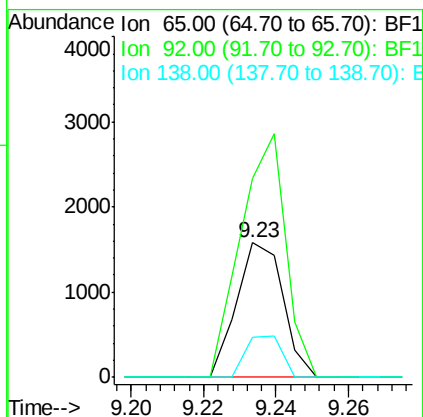
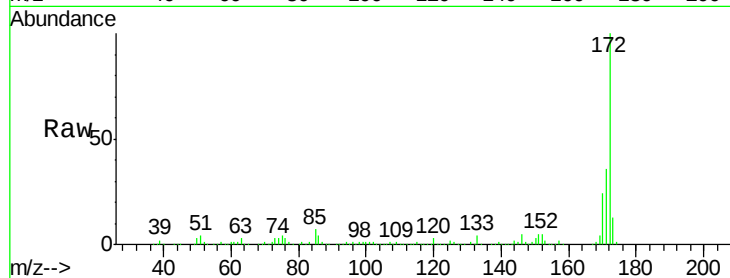




#47  
2-Nitroaniline  
Concen: 3.12 ng  
RT: 9.23 min Scan# 1215  
Delta R.T. -0.23 min  
Lab File: BF100690.D  
Acq: 17 Nov 2017 22:51

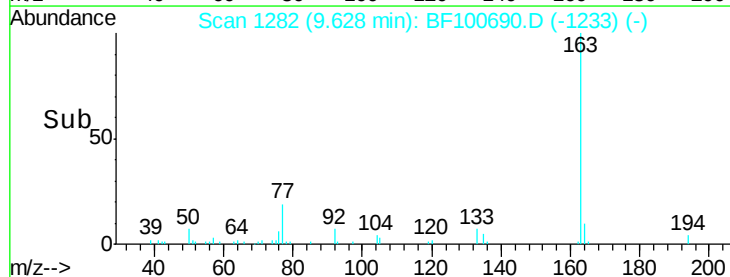
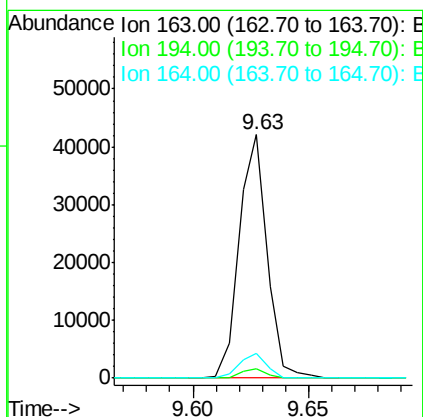
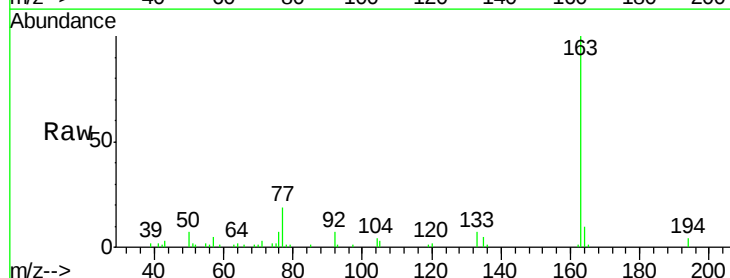
Instrument :  
BNA\_F  
ClientSampleId :  
SP-1-B

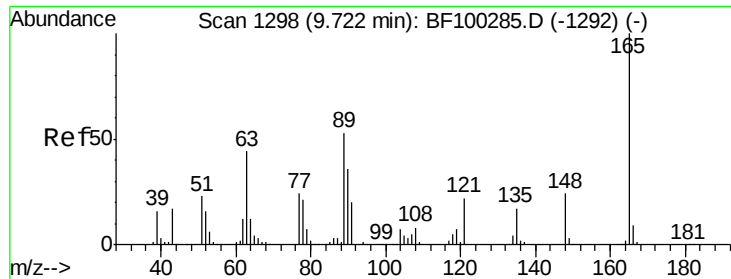
Tgt Ion: 65 Resp: 1415  
Ion Ratio Lower Upper  
65 100  
92 147.9 55.8 83.6#  
138 30.2 91.2 136.8#



#49  
Dimethylphthalate  
Concen: 2.17 ng  
RT: 9.63 min Scan# 1282  
Delta R.T. -0.01 min  
Lab File: BF100690.D  
Acq: 17 Nov 2017 22:51

Tgt Ion: 163 Resp: 35398  
Ion Ratio Lower Upper  
163 100  
194 3.8 2.7 4.1  
164 10.3 8.2 12.2

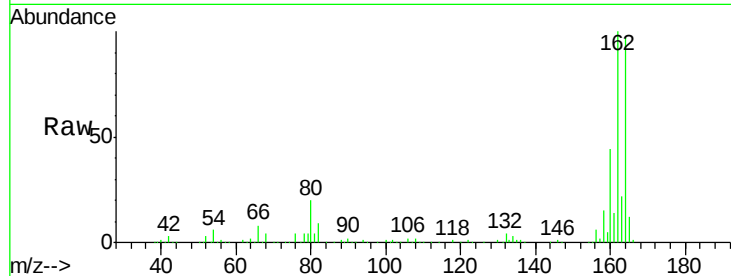




#50  
2,6-Dinitrotoluene  
Concen: 8.31 ng  
RT: 9.92 min Scan# 1331  
Delta R.T. 0.21 min  
Lab File: BF100690.D  
Acq: 17 Nov 2017 22:51

Instrument :  
BNA\_F  
ClientSampleId :  
SP-1-B

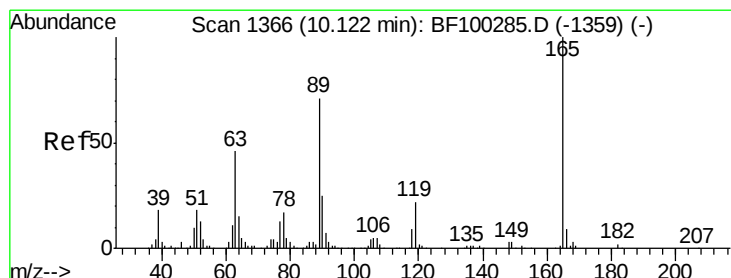
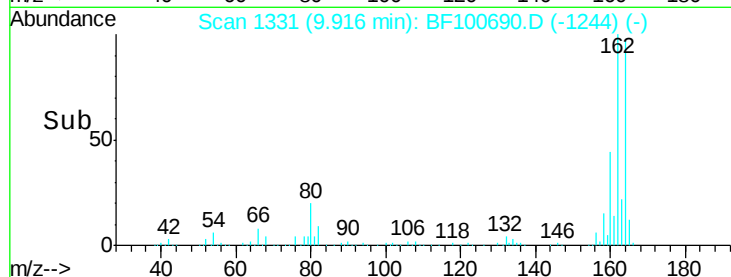
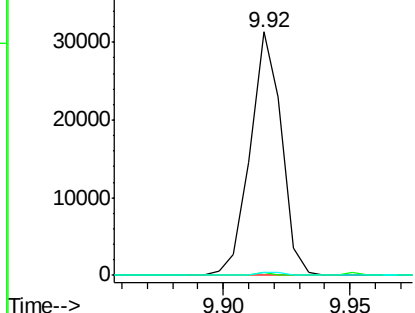
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.4   | 44.7  | 67.1# |
| 89      | 1.3   | 44.0  | 66.0# |



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



#56  
2,4-Dinitrotoluene  
Concen: 6.59 ng  
RT: 9.92 min Scan# 1331  
Delta R.T. -0.19 min  
Lab File: BF100690.D  
Acq: 17 Nov 2017 22:51

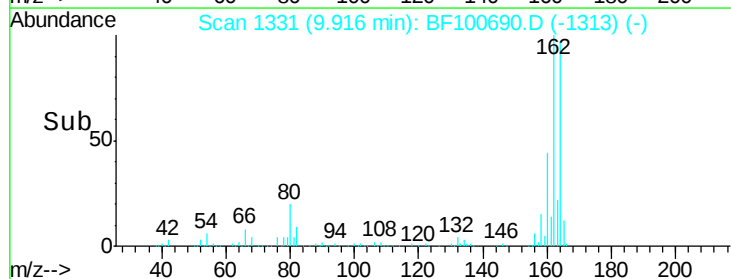
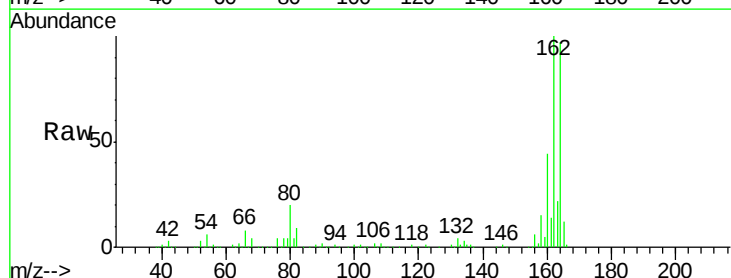
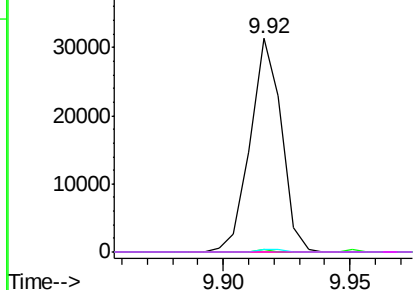
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.4   | 36.4  | 54.6# |
| 89      | 1.3   | 57.8  | 86.6# |
| 182     | 0.0   | 1.6   | 2.4#  |

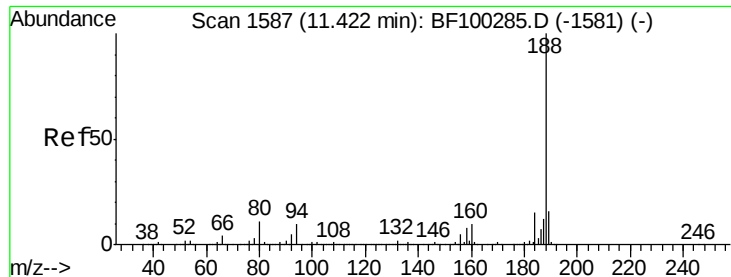
Abundance Ion 165.00 (164.70 to 165.70): E

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

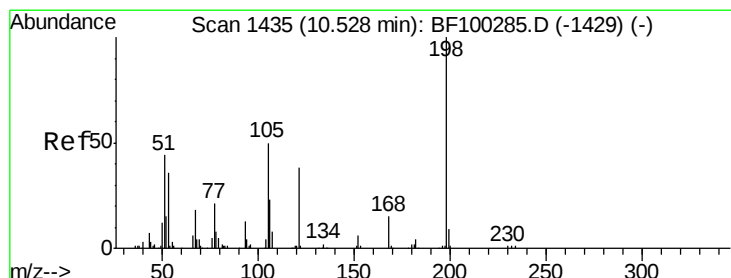
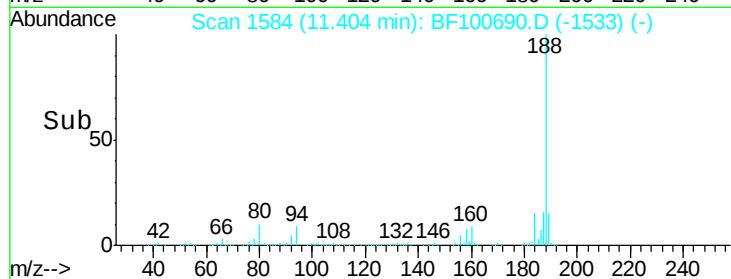
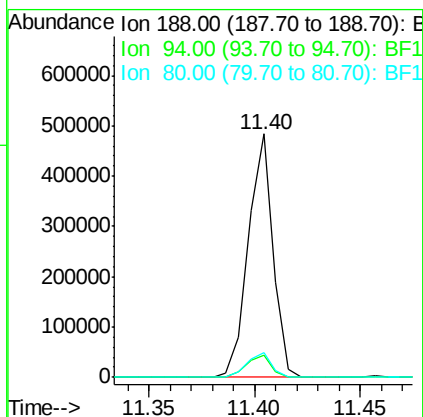
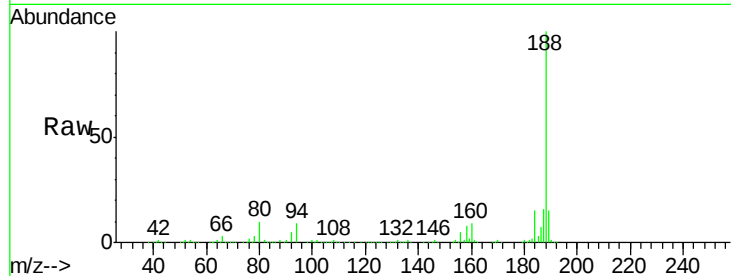




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.40 min Scan# 1584  
Delta R.T. 0.00 min  
Lab File: BF100690.D  
Acq: 17 Nov 2017 22:51

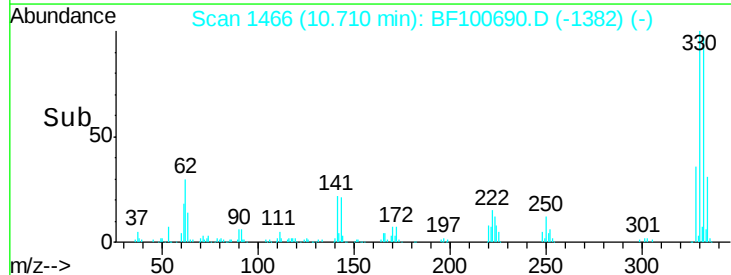
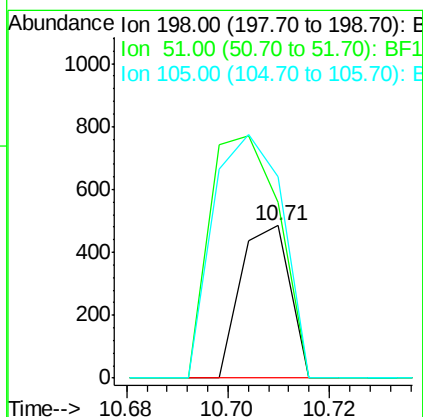
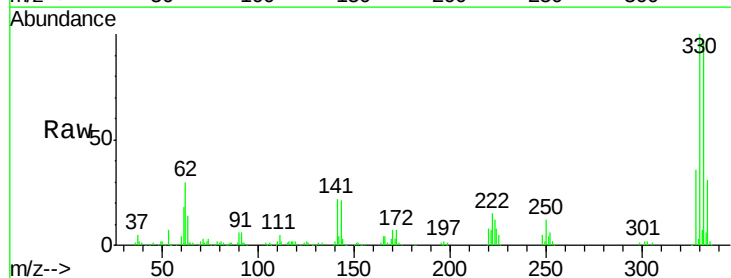
Instrument :  
BNA\_F  
ClientSampleId :  
SP-1-B

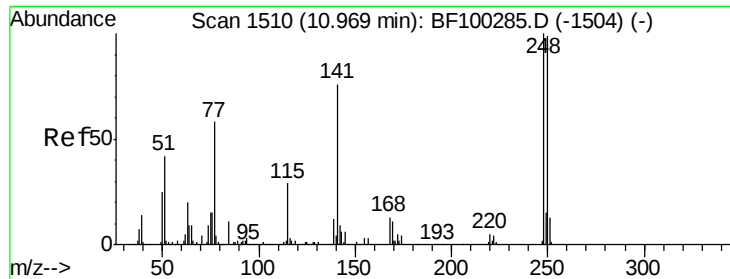
Tgt Ion:188 Resp: 392908  
Ion Ratio Lower Upper  
188 100  
94 9.1 8.5 12.7  
80 9.9 9.2 13.8



#64  
4,6-Dinitro-2-methylphenol  
Concen: 8.70 ng  
RT: 10.71 min Scan# 1466  
Delta R.T. 0.19 min  
Lab File: BF100690.D  
Acq: 17 Nov 2017 22:51

Tgt Ion:198 Resp: 324  
Ion Ratio Lower Upper  
198 100  
51 115.5 37.7 77.7#  
105 132.0 36.3 76.3#

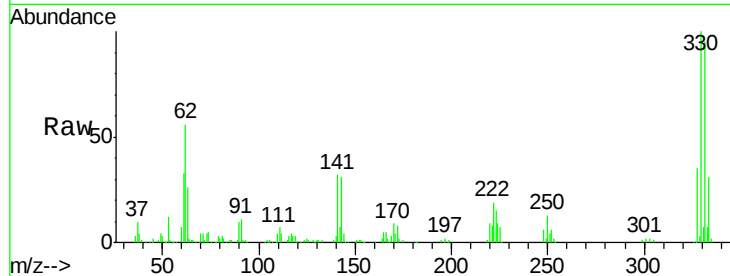




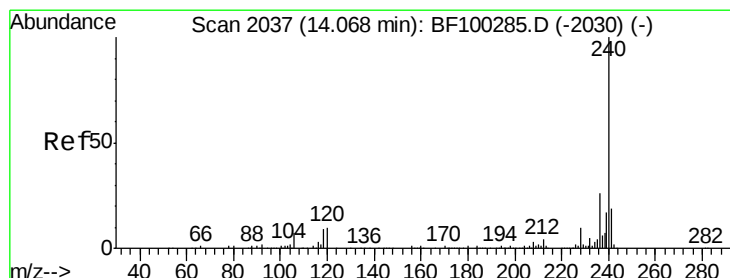
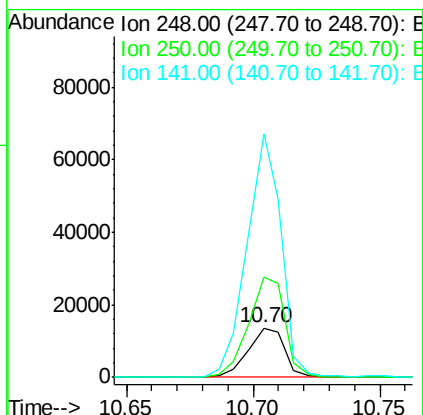
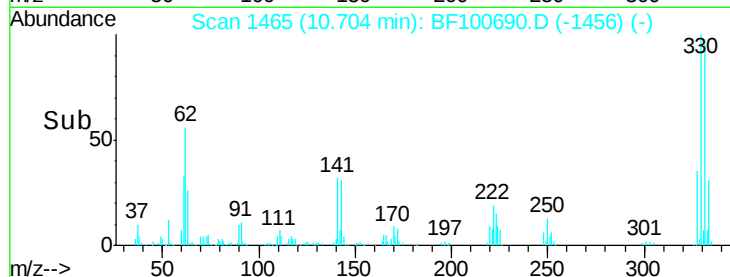
#66  
4-Bromophenyl-phenylether  
Concen: 3.20 ng  
RT: 10.70 min Scan# 1465  
Delta R.T. -0.25 min  
Lab File: BF100690.D  
Acq: 17 Nov 2017 22:51

Instrument :  
BNA\_F  
ClientSampleId :  
SP-1-B

Tgt Ion:248 Resp: 13472  
Ion Ratio Lower Upper  
248 100  
250 202.6 76.9 115.3#  
141 491.8 74.4 111.6#

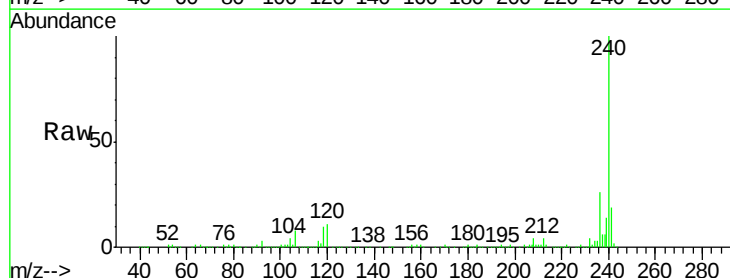


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

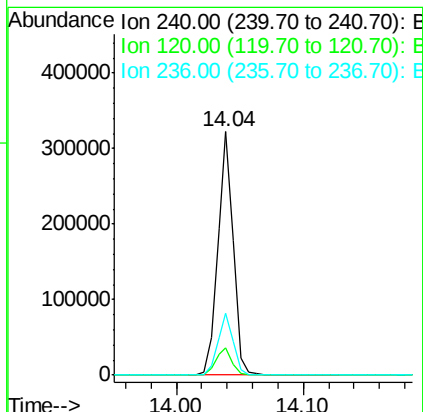
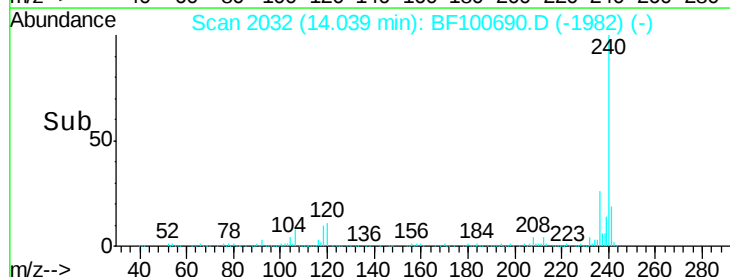


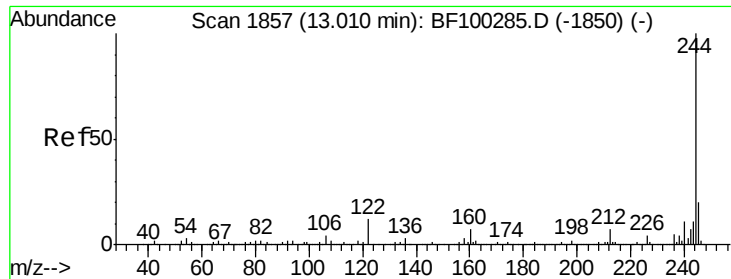
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.04 min Scan# 2032  
Delta R.T. -0.01 min  
Lab File: BF100690.D  
Acq: 17 Nov 2017 22:51

Tgt Ion:240 Resp: 276321  
Ion Ratio Lower Upper  
240 100  
120 11.3 9.5 14.3  
236 25.6 20.7 31.1



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: 64.01 ng

RT: 12.99 min Scan# 1853

Delta R.T. 0.00 min

Lab File: BF100690.D

Acq: 17 Nov 2017 22:51

Instrument :

BNA\_F

ClientSampleId :

SP-1-B

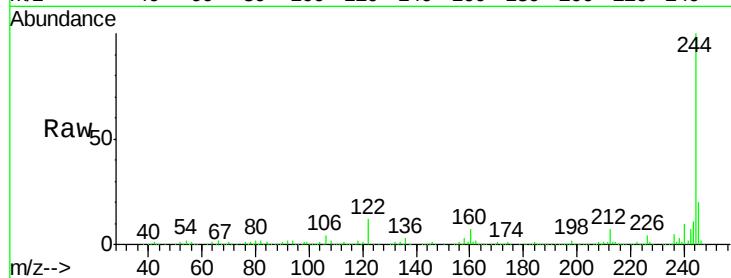
Tgt Ion:244 Resp: 769725

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

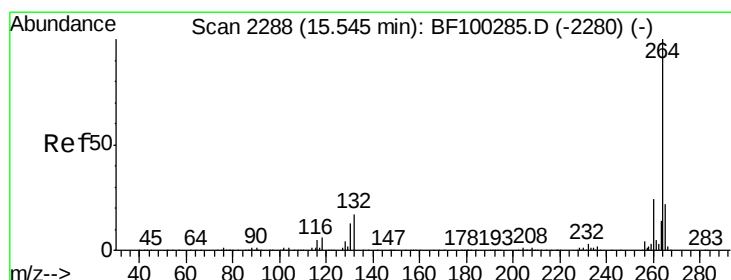
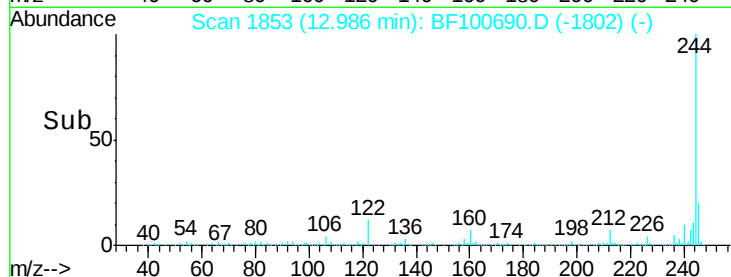
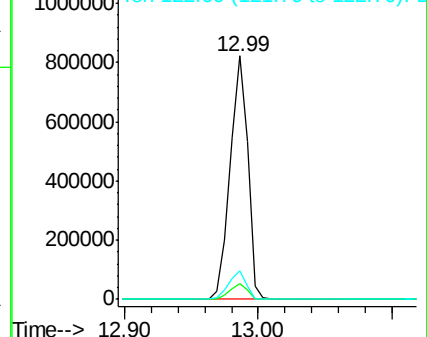
122 11.7 11.0 16.4



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.52 min Scan# 2283

Delta R.T. 0.00 min

Lab File: BF100690.D

Acq: 17 Nov 2017 22:51

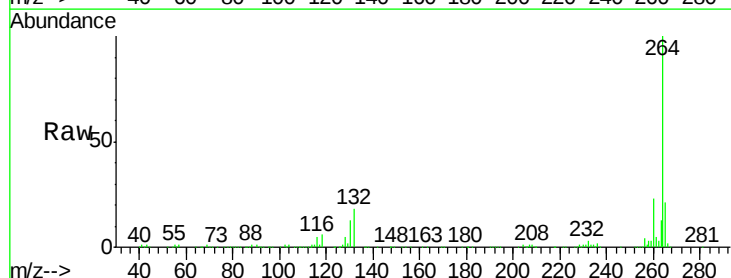
Tgt Ion:264 Resp: 267574

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 21.0 17.5 26.3



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

