

Data File : BF108956.D  
Acq On : 12 Sep 2018 18:06  
Operator : JU/SJ  
Sample : J4724-16 50X  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 13 02:13:36 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF090518.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Sep 05 18:03:31 2018  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.74  | 152  | 121707   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.02  | 136  | 491035   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.77  | 164  | 231420   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.24 | 188  | 406008   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.87 | 240  | 295311   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.28 | 264  | 353074   | 20.00 | ng    | 0.01     |

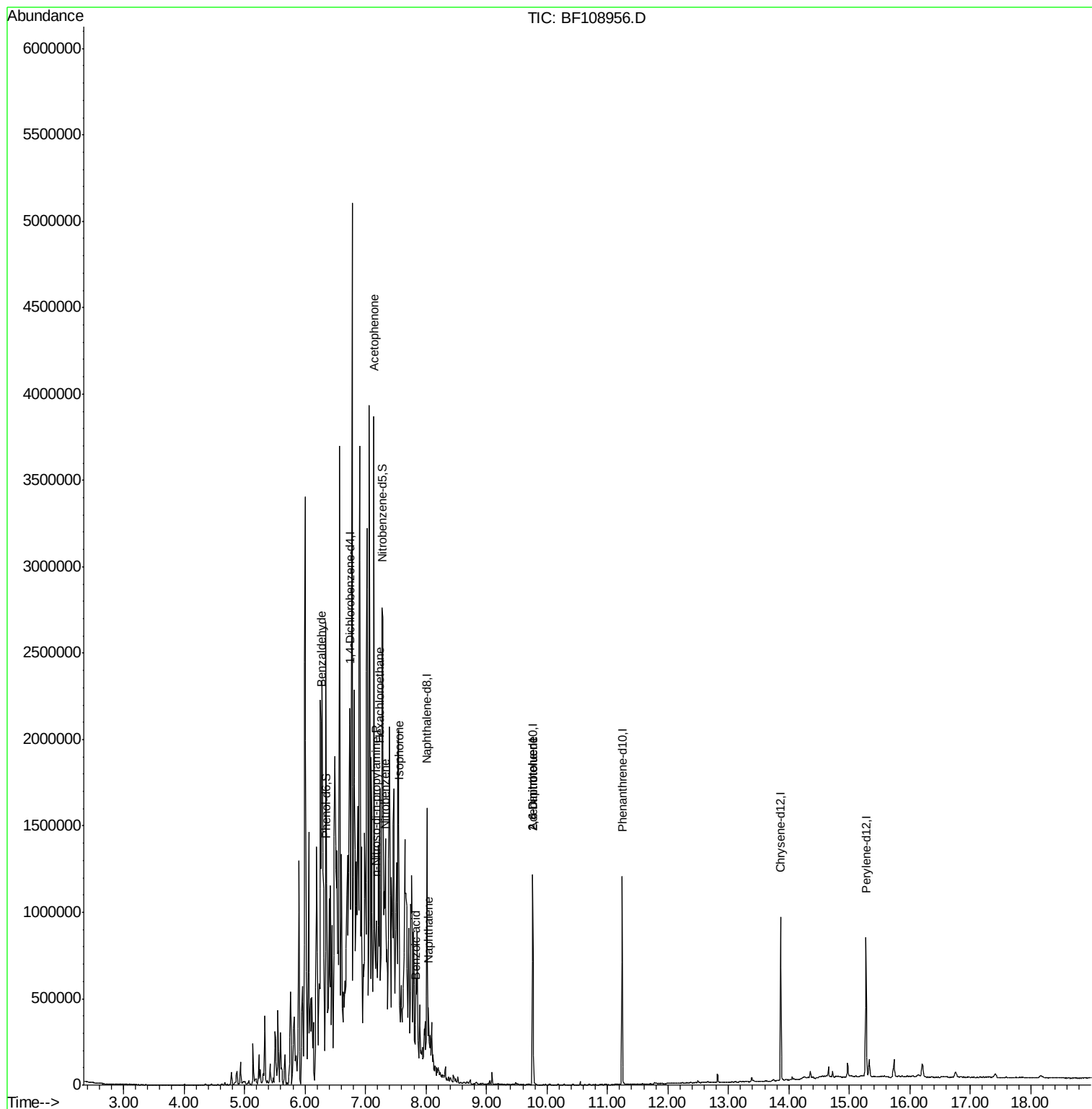
|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 5) 2-Fluorophenol           | 5.34  | 112 | 13223 | 1.80 | ng | 0.00  |
| 7) Phenol-d6                | 6.36  | 99  | 25978 | 2.75 | ng | 0.00  |
| 23) Nitrobenzene-d5         | 7.28  | 82  | 74712 | 9.52 | ng | -0.02 |
| 41) 2,4,6-Tribromophenol    | 10.55 | 330 | 2887  | 1.31 | ng | 0.00  |
| 44) 2-Fluorobiphenyl        | 9.09  | 172 | 22106 | 1.63 | ng | 0.00  |
| 78) Terphenyl-d14           | 12.82 | 244 | 17657 | 1.39 | ng | 0.00  |

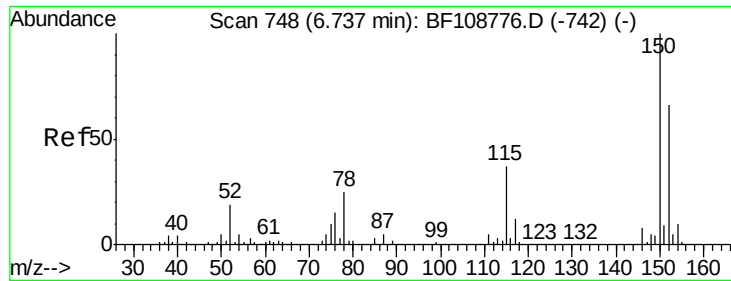
|                                |      |     |        |        |    |      |
|--------------------------------|------|-----|--------|--------|----|------|
| Target Compounds               |      |     |        | Qvalue |    |      |
| 9) Benzaldehyde                | 6.27 | 77  | 31016  | 4.625  | ng | # 1  |
| 18) Hexachloroethane           | 7.24 | 117 | 27160  | 8.117  | ng | # 1  |
| 19) n-Nitroso-di-n-propylamine | 7.18 | 70  | 40192  | 6.117  | ng | # 62 |
| 22) Acetophenone               | 7.14 | 105 | 254699 | 22.855 | ng | # 42 |
| 24) Nitrobenzene               | 7.32 | 77  | 18689  | 2.220  | ng | # 58 |
| 25) Isophorone                 | 7.55 | 82  | 39493  | 2.523  | ng | # 1  |
| 31) Naphthalene                | 8.04 | 128 | 94351  | 4.271  | ng | # 98 |
| 32) Benzoic acid               | 7.82 | 122 | 2844   | 4.691  | ng | # 13 |
| 50) 2,6-Dinitrotoluene         | 9.77 | 165 | 29444  | 9.546  | ng | # 26 |
| 56) 2,4-Dinitrotoluene         | 9.77 | 165 | 29444  | 7.465  | ng | # 23 |

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

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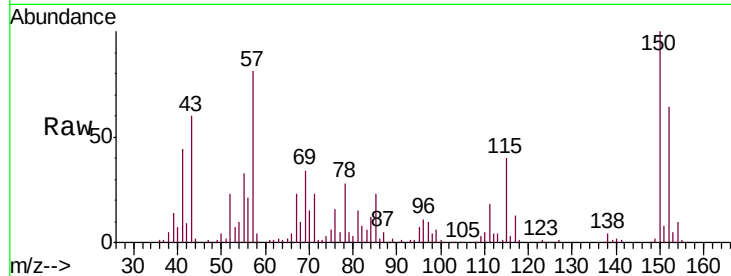




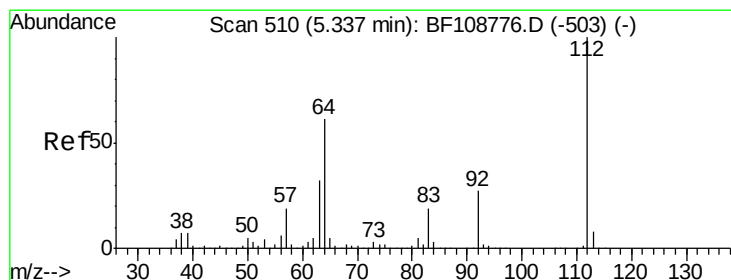
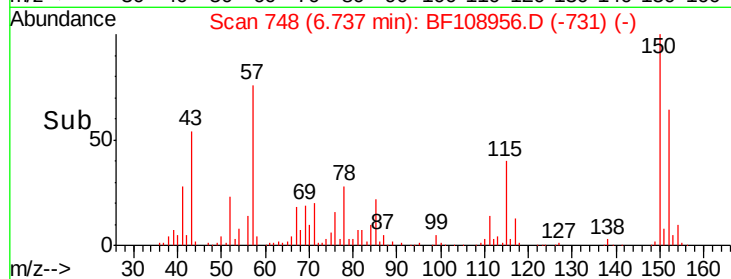
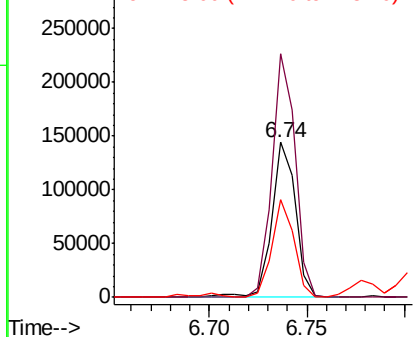
#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.74 min Scan# 748  
Delta R.T. -0.00 min  
Lab File: BF108956.D  
Acq: 12 Sep 2018 18:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.2 | 124.6 | 186.8 |
| 115     | 62.8  | 50.1  | 75.1  |



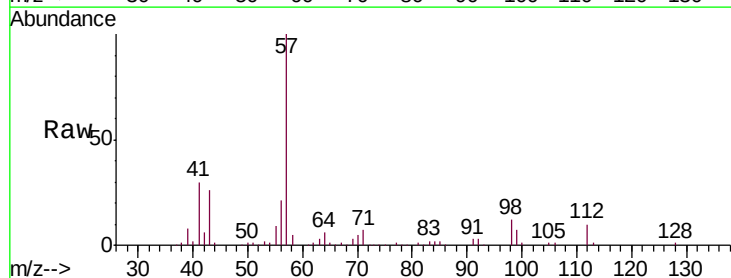
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



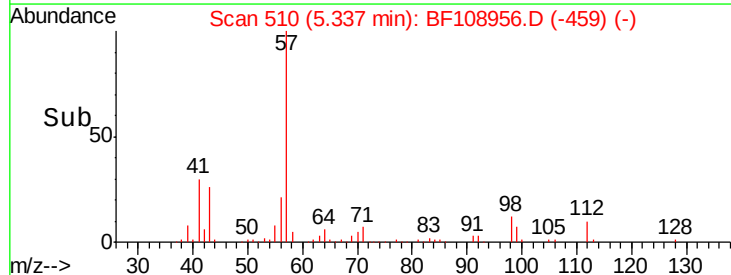
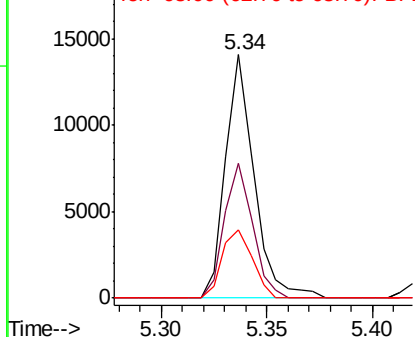
#5

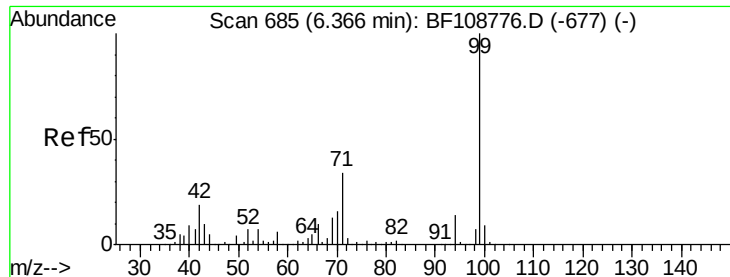
2-Fluorophenol  
Concen: 1.800 ng  
RT: 5.34 min Scan# 510  
Delta R.T. 0.00 min  
Lab File: BF108956.D  
Acq: 12 Sep 2018 18:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 55.6  | 47.9  | 71.9  |
| 63      | 27.9  | 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: 2.748 ng

RT: 6.36 min Scan# 684

Delta R.T. -0.01 min

Lab File: BF108956.D

Acq: 12 Sep 2018 18:06

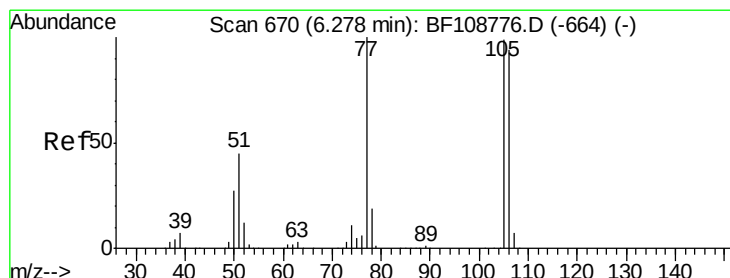
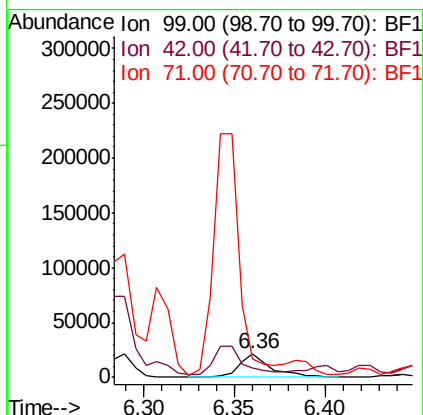
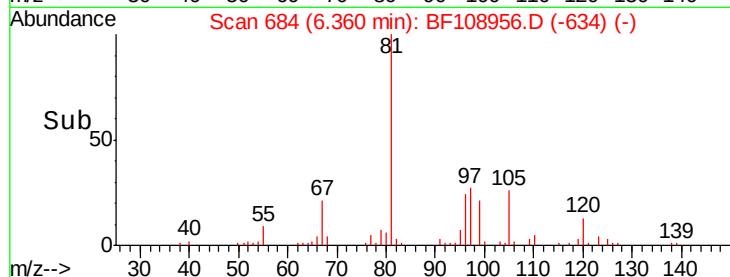
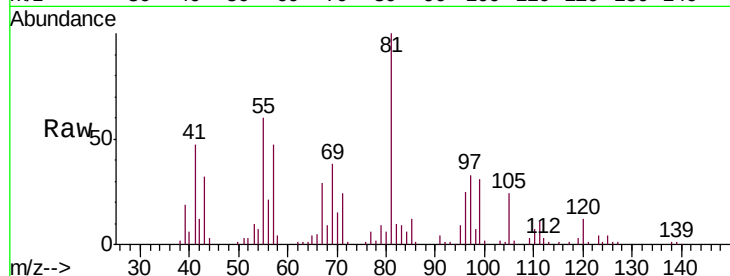
Tgt Ion: 99 Resp: 25978

Ion Ratio Lower Upper

99 100

42 38.2 14.5 21.7#

71 75.5 25.4 38.0#



#9

Benzaldehyde

Concen: 4.625 ng

RT: 6.27 min Scan# 669

Delta R.T. -0.01 min

Lab File: BF108956.D

Acq: 12 Sep 2018 18:06

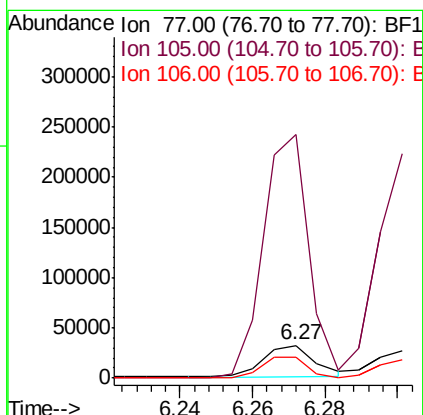
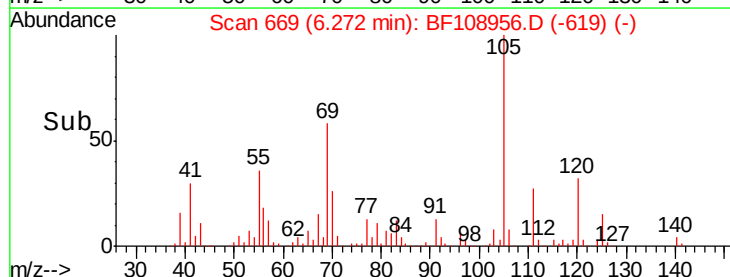
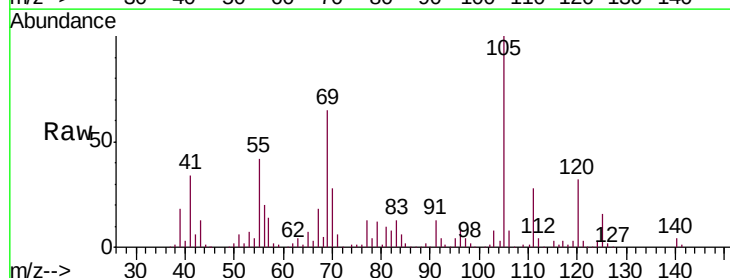
Tgt Ion: 77 Resp: 31016

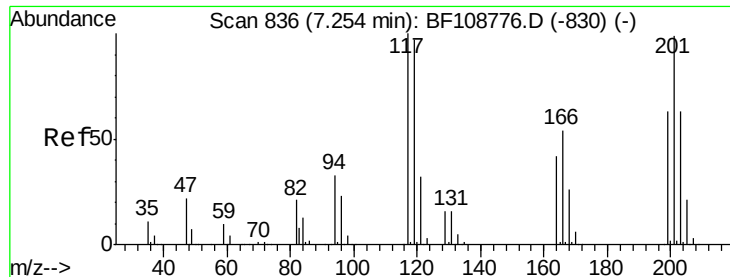
Ion Ratio Lower Upper

77 100

105 746.9 81.1 121.1#

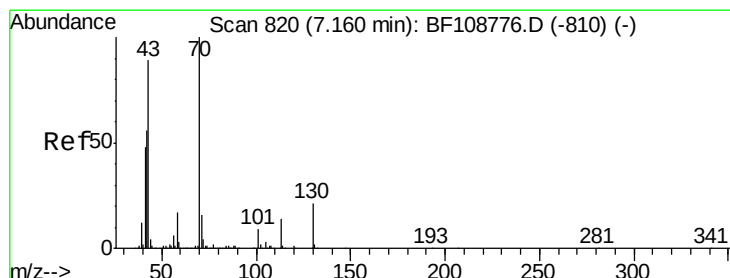
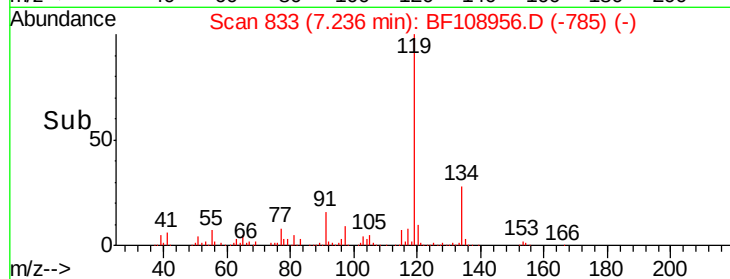
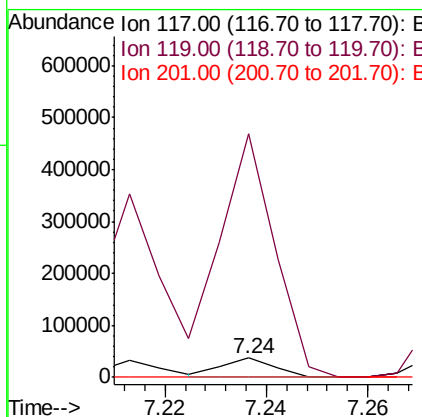
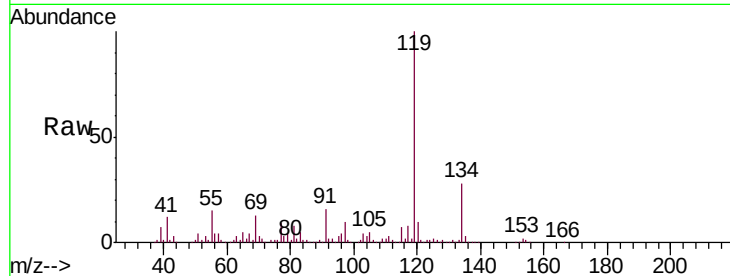
106 62.7 74.5 114.5#





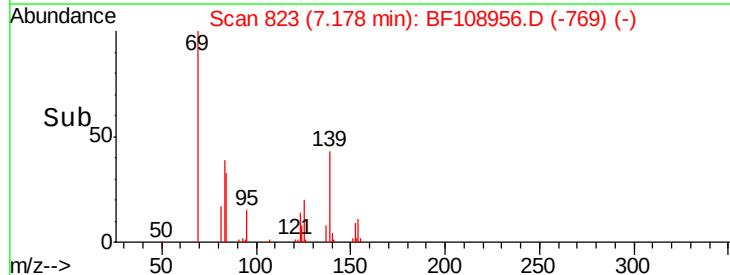
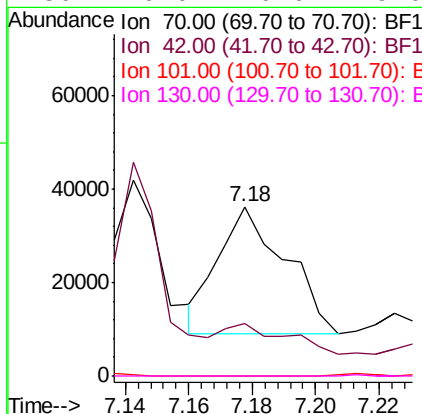
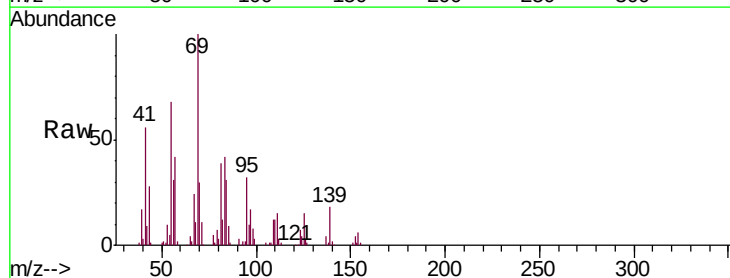
#18  
Hexachloroethane  
Concen: 8.117 ng  
RT: 7.24 min Scan# 833  
Delta R.T. -0.02 min  
Lab File: BF108956.D  
Acq: 12 Sep 2018 18:06

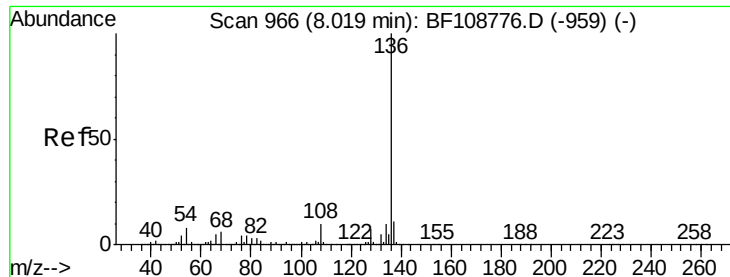
Tgt Ion: 117 Resp: 27160  
Ion Ratio Lower Upper  
117 100  
119 1268.9 75.8 113.8#  
201 0.0 75.7 113.5#



#19  
n-Nitroso-di-n-propylamine  
Concen: 6.117 ng  
RT: 7.18 min Scan# 823  
Delta R.T. 0.02 min  
Lab File: BF108956.D  
Acq: 12 Sep 2018 18:06

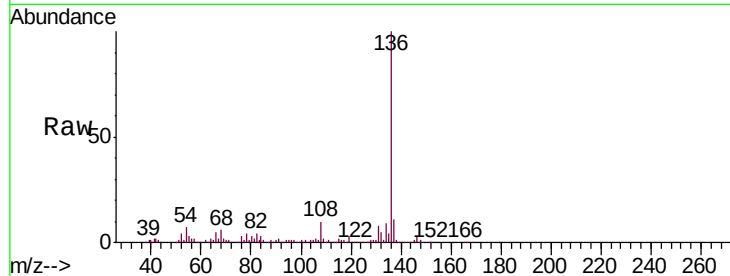
Tgt Ion: 70 Resp: 40192  
Ion Ratio Lower Upper  
70 100  
42 30.9 47.5 71.3#  
101 0.0 7.4 11.2#  
130 0.0 16.6 25.0#



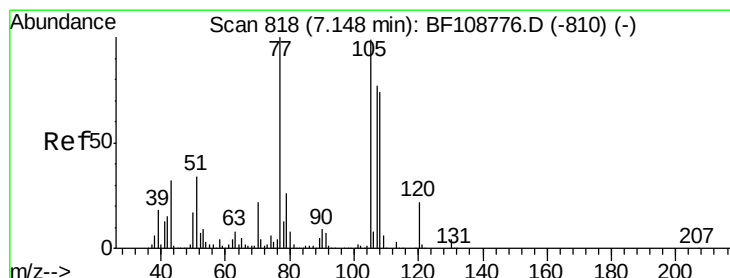
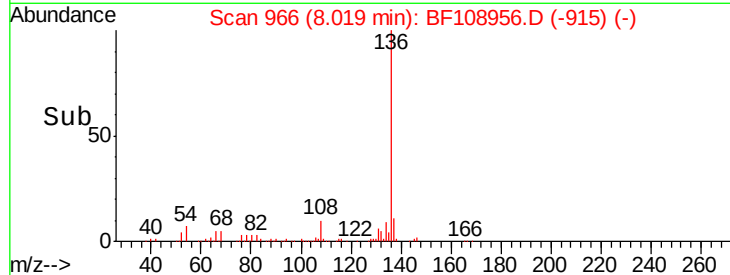
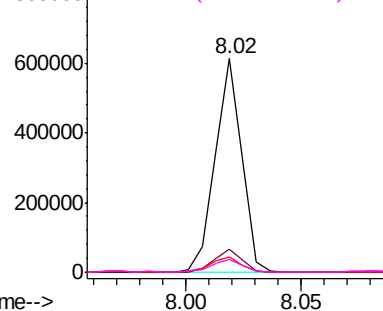


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.02 min Scan# 966  
Delta R.T. -0.00 min  
Lab File: BF108956.D  
Acq: 12 Sep 2018 18:06

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 491035 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.0  | 8.9   | 13.3   |
| 54        | 7.5   | 6.6   | 9.8    |
| 68        | 6.3   | 5.0   | 7.4    |

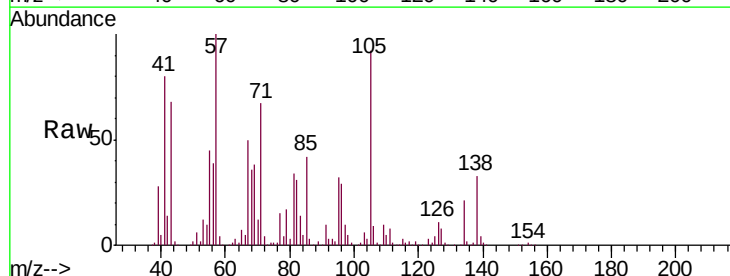


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1



#22  
Acetophenone  
Concen: 22.855 ng  
RT: 7.14 min Scan# 817  
Delta R.T. -0.01 min  
Lab File: BF108956.D  
Acq: 12 Sep 2018 18:06

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 254699 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 71        | 72.4  | 4.4   | 6.6#   |
| 51        | 6.4   | 22.3  | 33.5#  |
| 120       | 0.2   | 16.9  | 25.3#  |



Abundance Ion 105.00 (104.70 to 105.70): E  
Ion 71.00 (70.70 to 71.70): BF1  
Ion 51.00 (50.70 to 51.70): BF1  
Ion 120.00 (119.70 to 120.70): E

