

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF091718\  
 Data File : BF109077.D  
 Acq On : 18 Sep 2018 5:22  
 Operator : JU/SJ  
 Sample : J4907-03  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CBH-591(1)HOSE

Quant Time: Sep 18 06:42:59 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF091418.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 14 13:26:52 2018  
 Response via : Initial Calibration

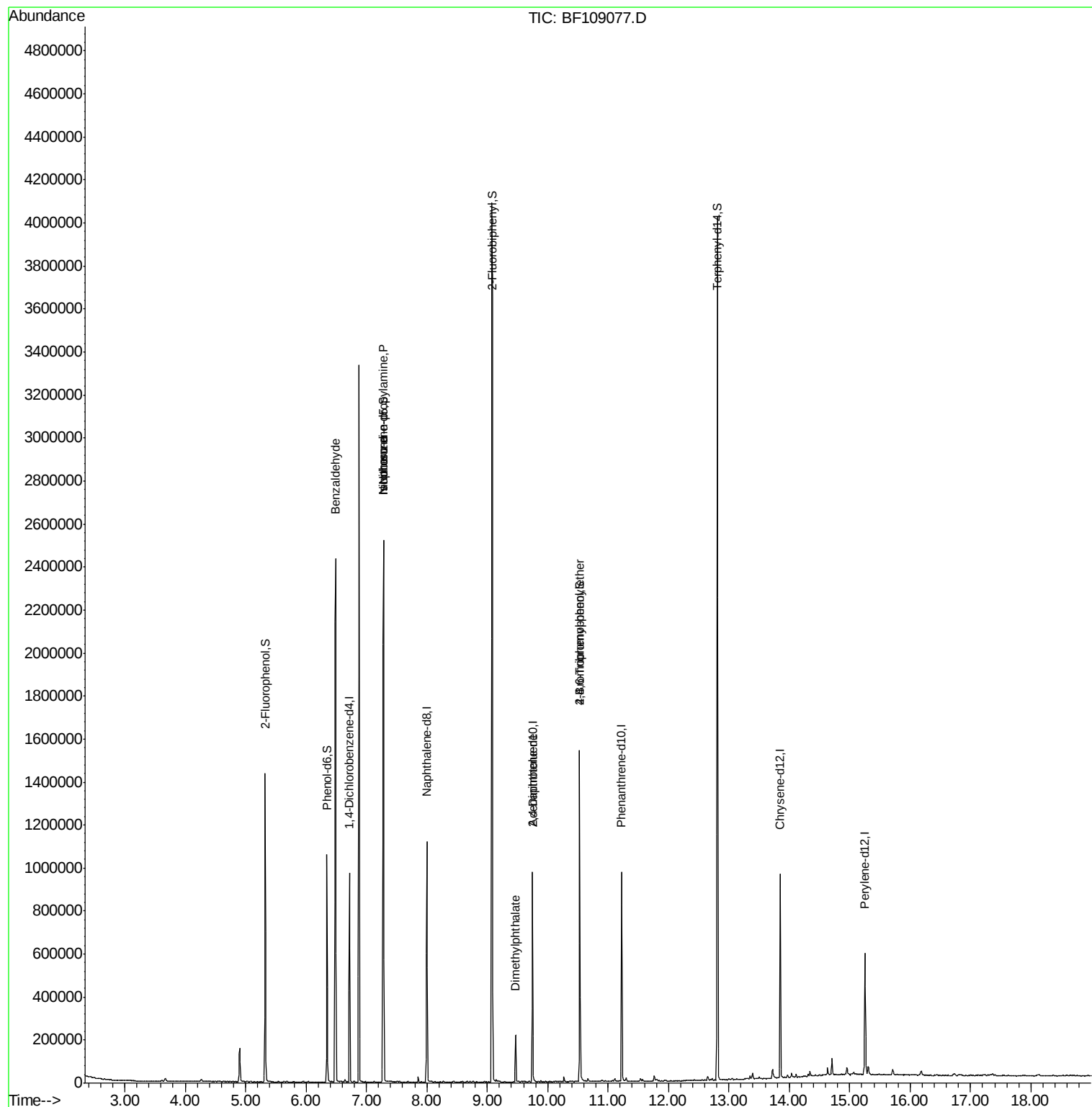
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.72  | 152  | 130005   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.00  | 136  | 441661   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.75  | 164  | 184975   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.22 | 188  | 348378   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 13.85 | 240  | 328830   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 15.25 | 264  | 240988   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.32  | 112  | 374734   | 47.87  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.35  | 99   | 295709   | 29.30  | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.28  | 82   | 845605   | 107.39 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.54 | 330  | 198896   | 99.08  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.08  | 172  | 1331008  | 112.74 | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.81 | 244  | 1366354  | 98.49  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 9) Benzaldehyde                | 6.49  | 77   | 14712    | 2.282  | ng    | 81       |
| 19) n-Nitroso-di-n-propylamine | 7.28  | 70   | 113327   | 16.987 | ng    | # 77     |
| 25) Isophorone                 | 7.28  | 82   | 840436   | 62.090 | ng    | # 64     |
| 49) Dimethylphthalate          | 9.47  | 163  | 90155    | 6.819  | ng    | # 98     |
| 56) 2,4-Dinitrotoluene         | 9.75  | 165  | 23013    | 6.002  | ng    | # 24     |
| 66) 4-Bromophenyl-phenylether  | 10.54 | 248  | 12358    | 3.147  | ng    | # 1      |

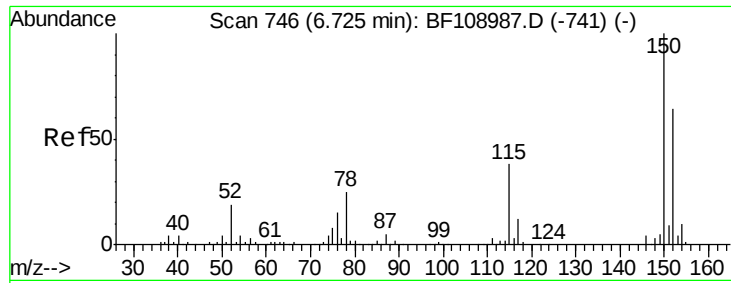
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF091718\  
Data File : BF109077.D  
Acq On : 18 Sep 2018 5:22  
Operator : JU/SJ  
Sample : J4907-03  
Misc :  
ALS Vial : 39 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CBH-591(1)HOSE

Quant Time: Sep 18 06:42:59 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF091418.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Sep 14 13:26:52 2018  
Response via : Initial Calibration

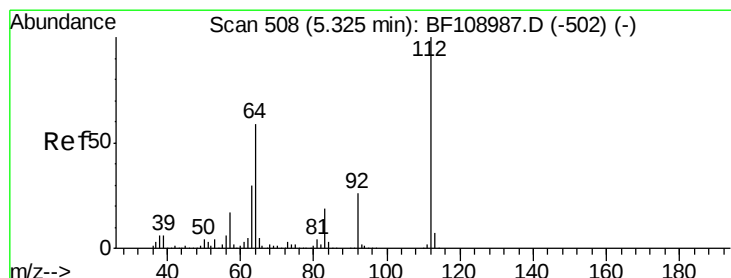
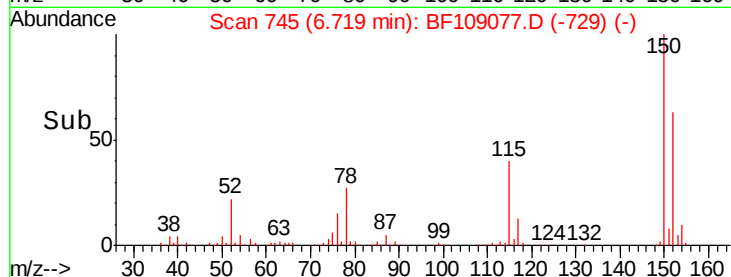
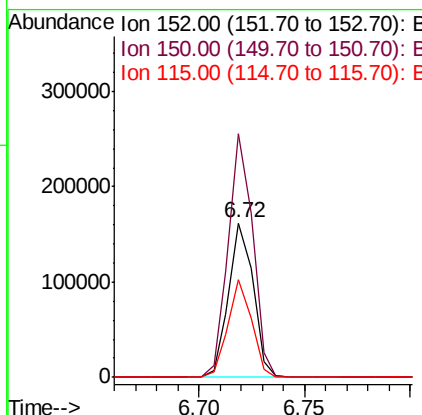
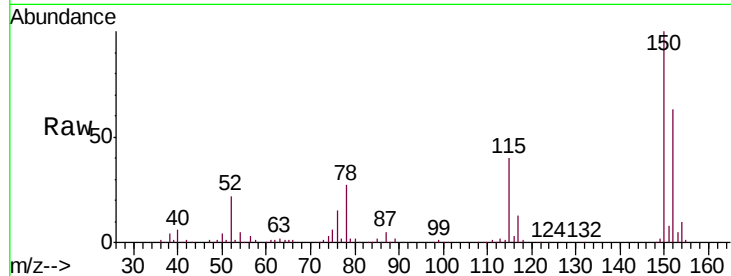




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.72 min Scan# 745  
 Delta R.T. -0.01 min  
 Lab File: BF109077.D  
 Acq: 18 Sep 2018 5:22

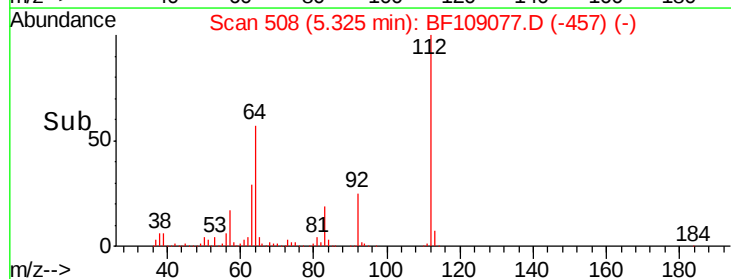
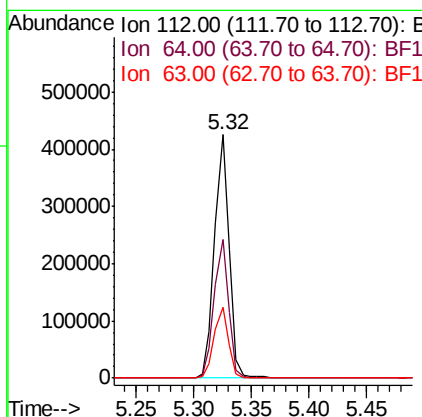
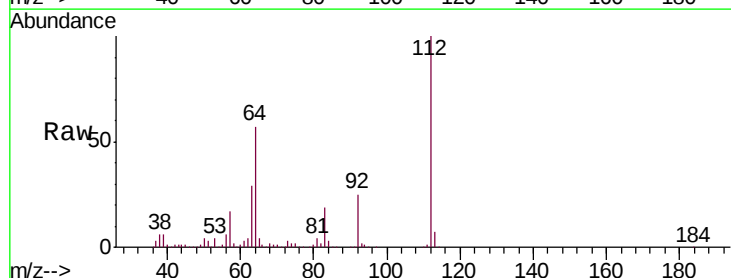
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CBH-591(1)HOSE

Tgt Ion:152 Resp: 130005  
 Ion Ratio Lower Upper  
 152 100  
 150 157.6 124.6 186.8  
 115 63.1 50.1 75.1



#5  
 2-Fluorophenol  
 Concen: 47.874 ng  
 RT: 5.32 min Scan# 508  
 Delta R.T. 0.00 min  
 Lab File: BF109077.D  
 Acq: 18 Sep 2018 5:22

Tgt Ion:112 Resp: 374734  
 Ion Ratio Lower Upper  
 112 100  
 64 57.1 47.9 71.9  
 63 29.2 23.7 35.5





#7

Phenol-d6

Concen: 29.298 ng

RT: 6.35 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF109077.D

Acq: 18 Sep 2018 5:22

Instrument :

BNA\_F

ClientSampleId :

CBH-591(1)HOSE

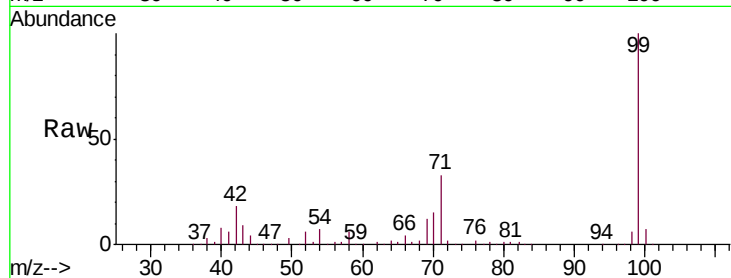
Tgt Ion: 99 Resp: 295709

Ion Ratio Lower Upper

99 100

42 17.5 14.5 21.7

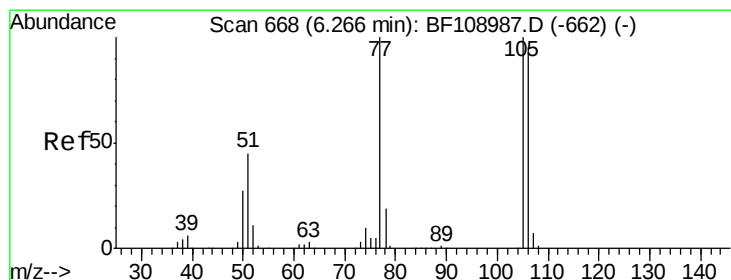
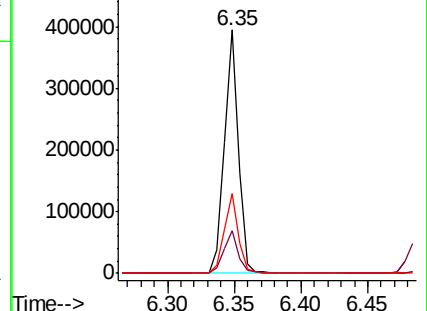
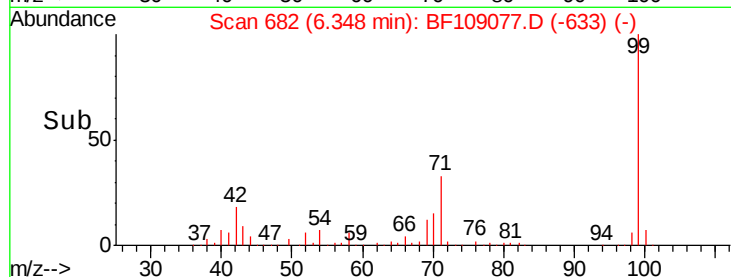
71 32.8 25.4 38.0



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: 2.282 ng

RT: 6.49 min Scan# 706

Delta R.T. 0.22 min

Lab File: BF109077.D

Acq: 18 Sep 2018 5:22

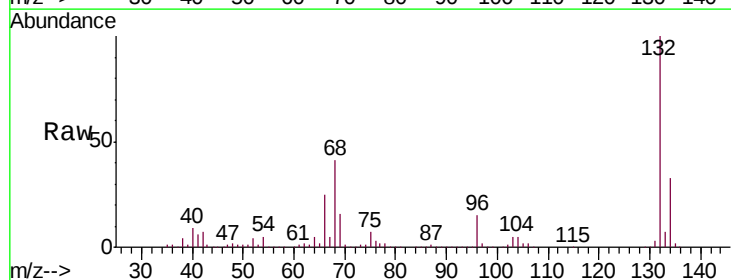
Tgt Ion: 77 Resp: 14712

Ion Ratio Lower Upper

77 100

105 82.2 81.1 121.1

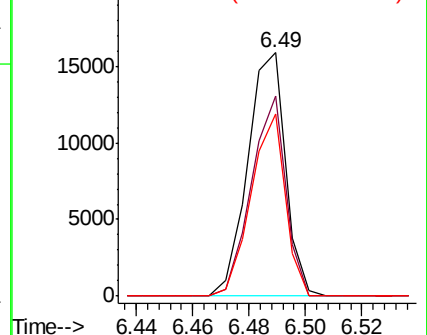
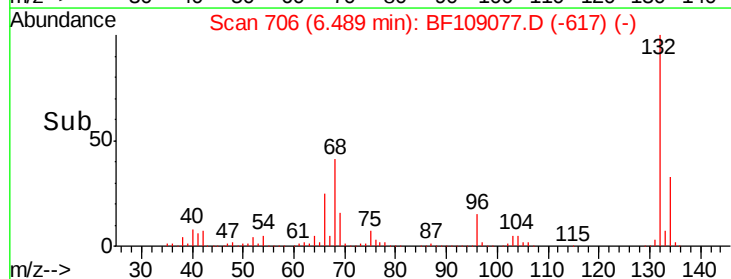
106 74.9 74.5 114.5

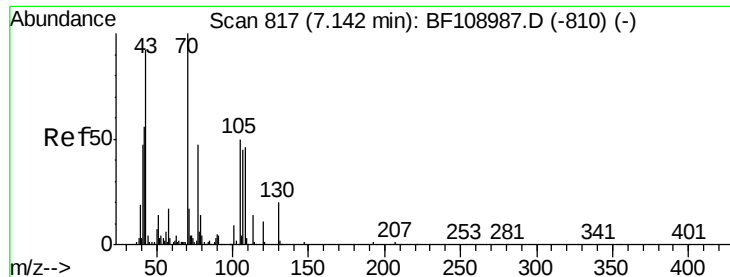


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

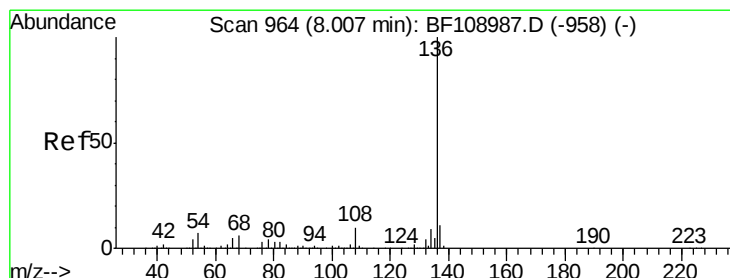
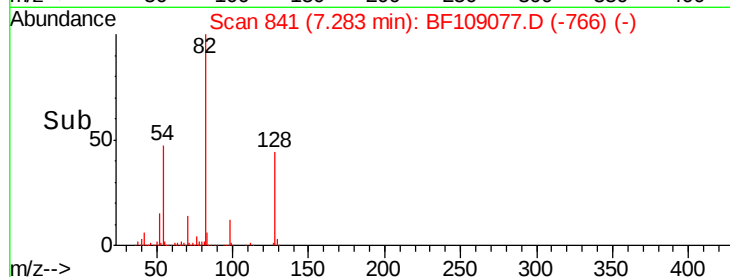
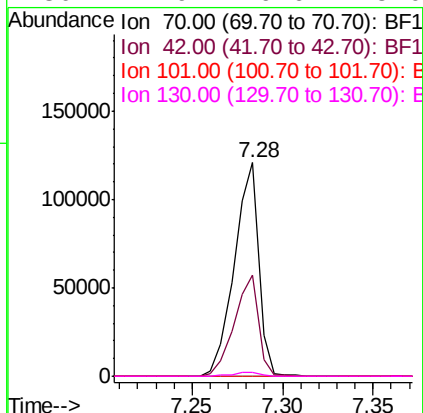
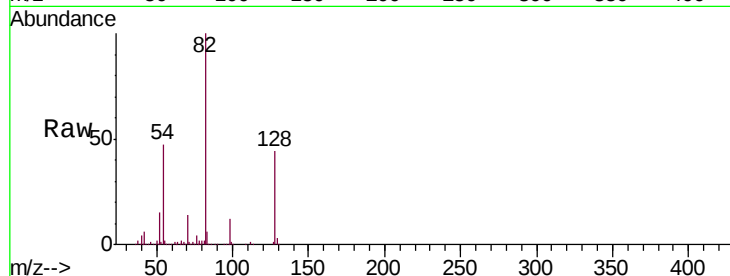




#19  
n-Nitroso-di-n-propylamine  
Concen: 16.987 ng  
RT: 7.28 min Scan# 841  
Delta R.T. 0.14 min  
Lab File: BF109077.D  
Acq: 18 Sep 2018 5:22

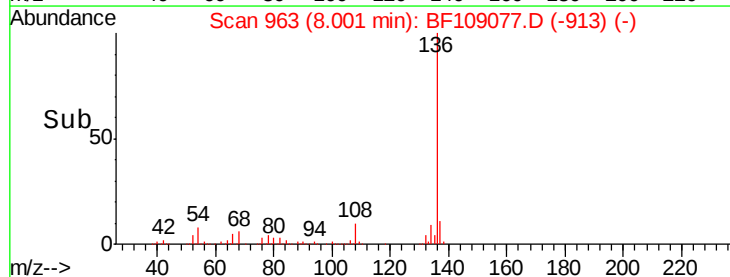
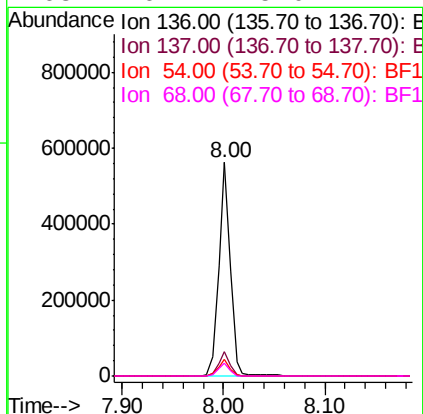
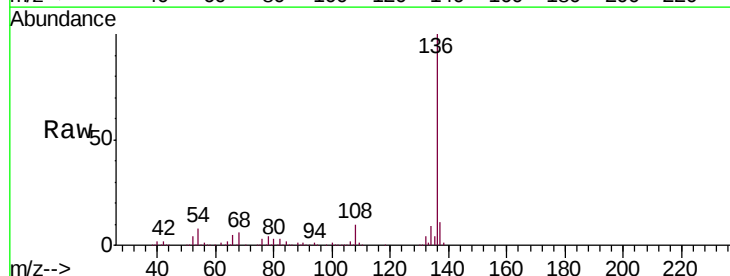
Instrument :  
BNA\_F  
ClientSampleId :  
CBH-591(1)HOSE

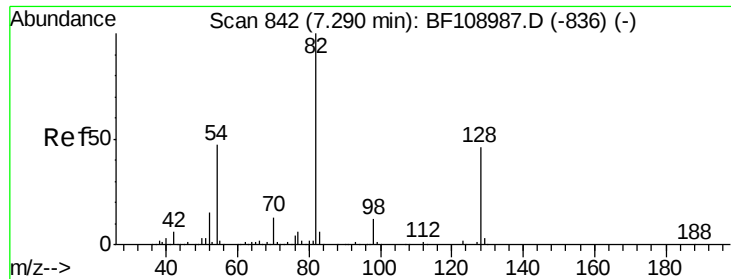
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 70    | Resp: | 113327 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 47.1  | 47.5  | 71.3#  |
| 101      | 0.0   | 7.4   | 11.2#  |
| 130      | 1.9   | 16.6  | 25.0#  |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.00 min Scan# 963  
Delta R.T. -0.01 min  
Lab File: BF109077.D  
Acq: 18 Sep 2018 5:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 441661 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.2  | 8.9   | 13.3   |
| 54       | 7.5   | 6.6   | 9.8    |
| 68       | 6.2   | 5.0   | 7.4    |

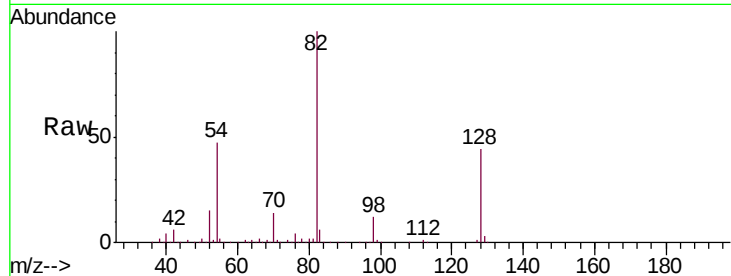




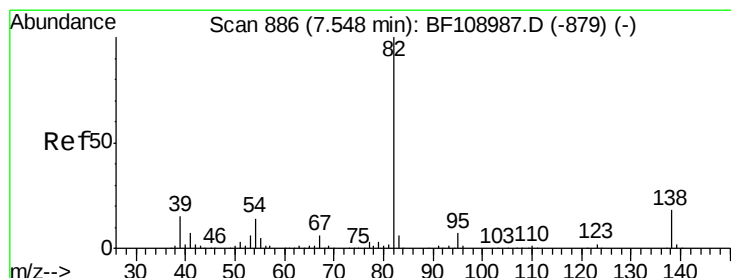
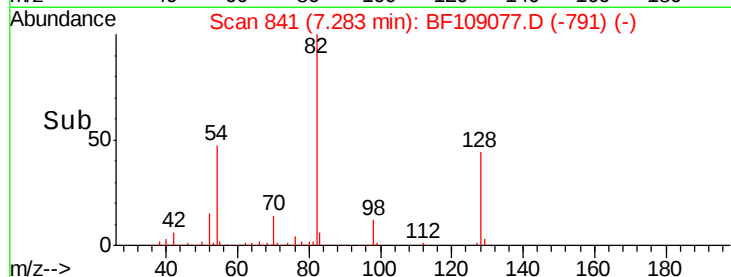
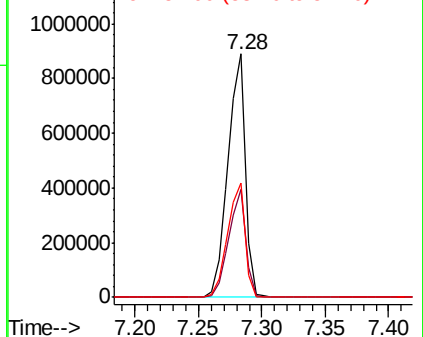
#23  
 Nitrobenzene-d5  
 Concen: 107.387 ng  
 RT: 7.28 min Scan# 841  
 Delta R.T. -0.01 min  
 Lab File: BF109077.D  
 Acq: 18 Sep 2018 5:22

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CBH-591(1)HOSE

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 44.1  | 36.1  | 54.1  |
| 54      | 47.1  | 41.4  | 62.2  |

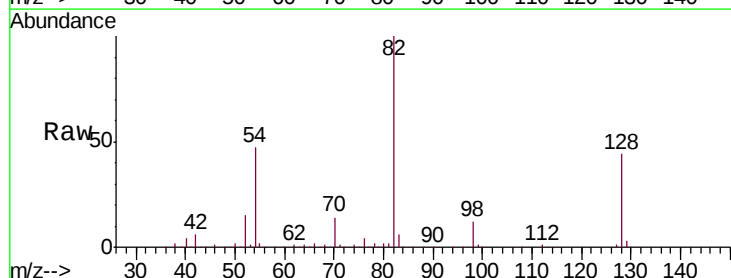


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

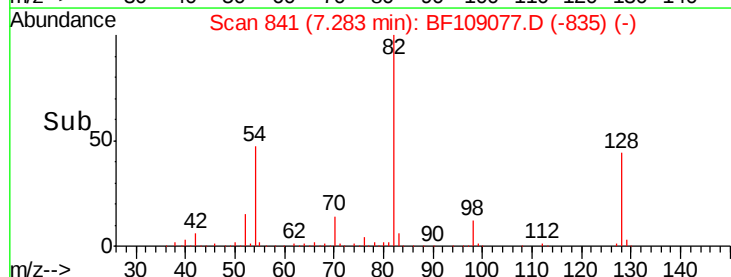
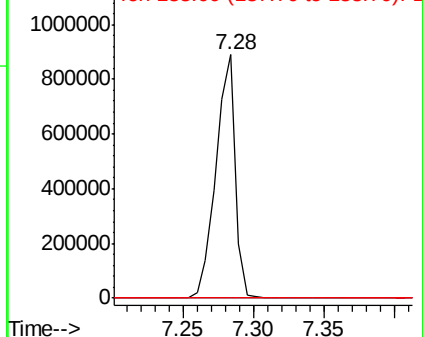


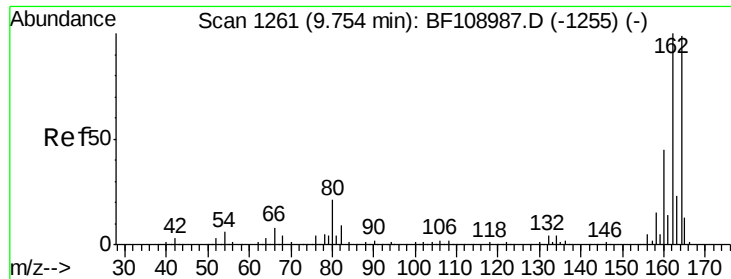
#25  
 Isophorone  
 Concen: 62.090 ng  
 RT: 7.28 min Scan# 841  
 Delta R.T. -0.26 min  
 Lab File: BF109077.D  
 Acq: 18 Sep 2018 5:22

| Tgt 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: 20.000 ng

RT: 9.75 min Scan# 1260

Delta R.T. -0.01 min

Lab File: BF109077.D

Acq: 18 Sep 2018 5:22

Instrument :

BNA\_F

ClientSampleId :

CBH-591(1)HOSE

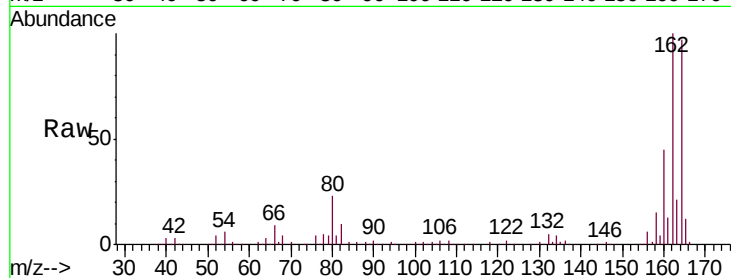
Tgt Ion:164 Resp: 184975

Ion Ratio Lower Upper

164 100

162 103.0 86.1 129.1

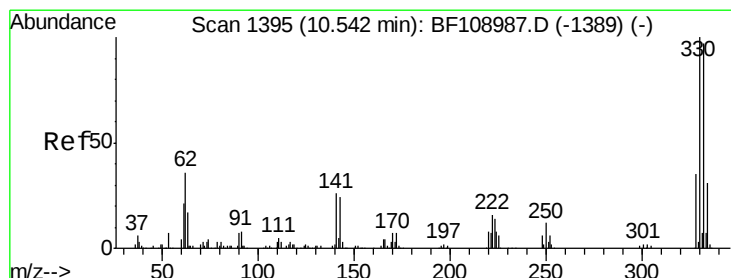
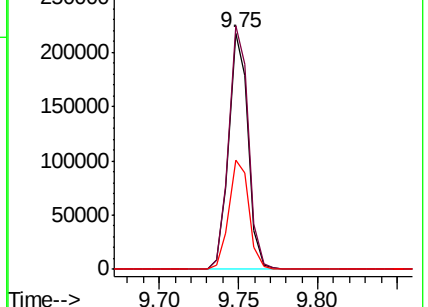
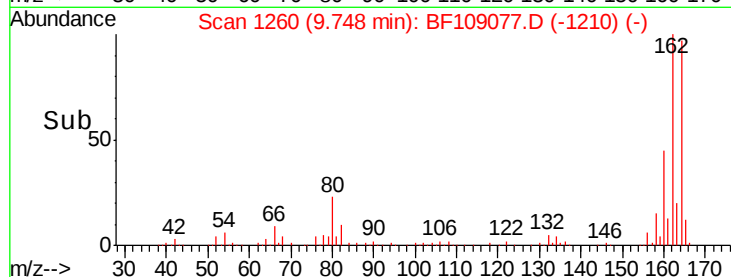
160 46.0 38.3 57.5



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: 99.078 ng

RT: 10.54 min Scan# 1394

Delta R.T. -0.01 min

Lab File: BF109077.D

Acq: 18 Sep 2018 5:22

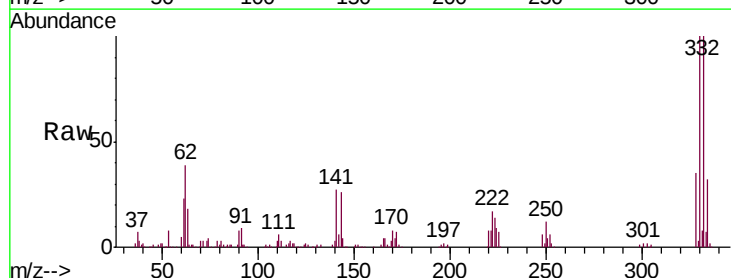
Tgt Ion:330 Resp: 198896

Ion Ratio Lower Upper

330 100

332 98.8 77.0 115.6

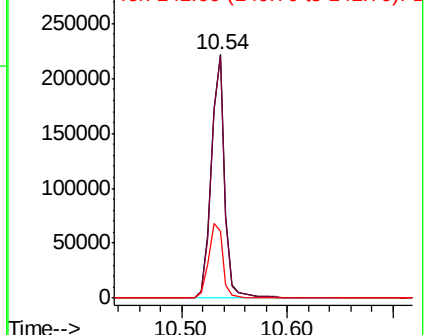
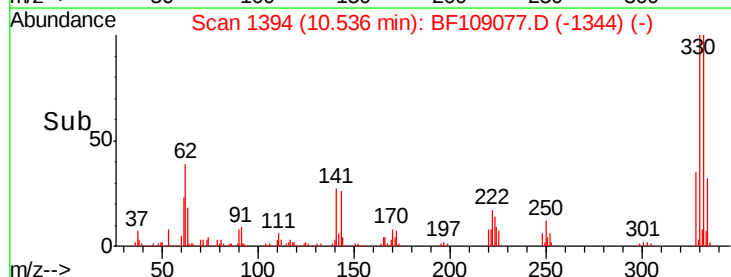
141 32.8 29.9 44.9

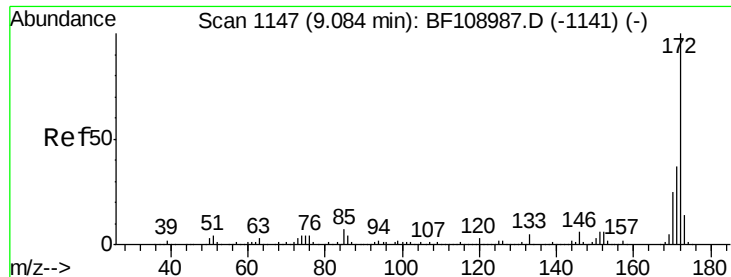


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

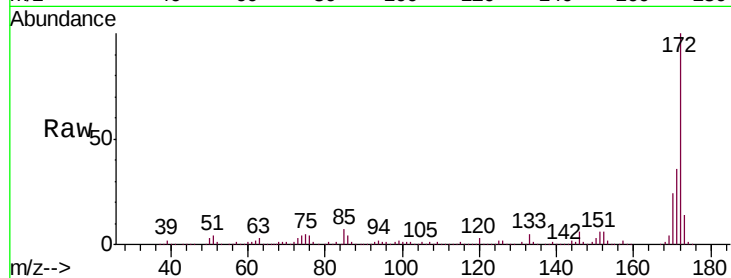




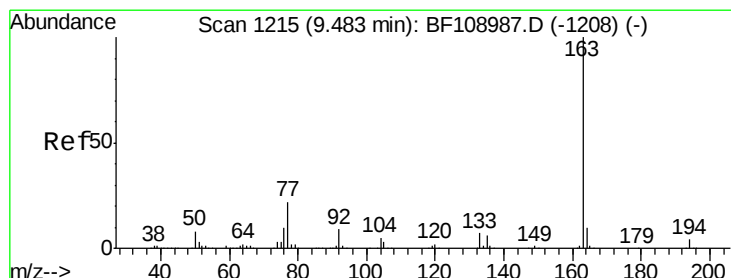
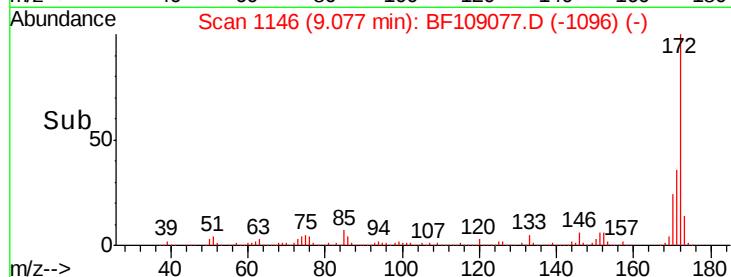
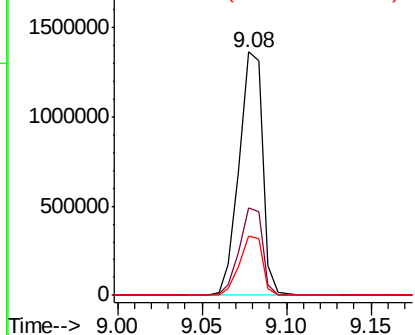
#44  
 2-Fluorobiphenyl  
 Concen: 112.736 ng  
 RT: 9.08 min Scan# 1146  
 Delta R.T. -0.01 min  
 Lab File: BF109077.D  
 Acq: 18 Sep 2018 5:22

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CBH-591(1)HOSE

Tgt Ion:172 Resp: 1331008  
 Ion Ratio Lower Upper  
 172 100  
 171 35.8 29.7 44.5  
 170 24.3 19.6 29.4

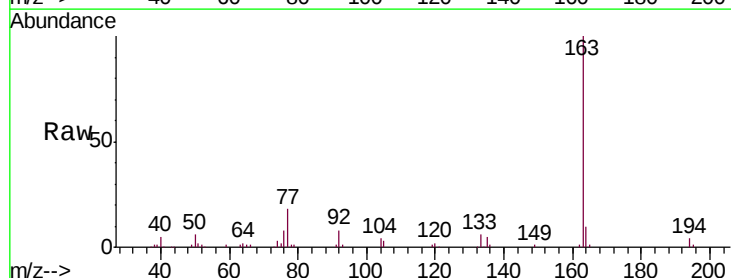


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

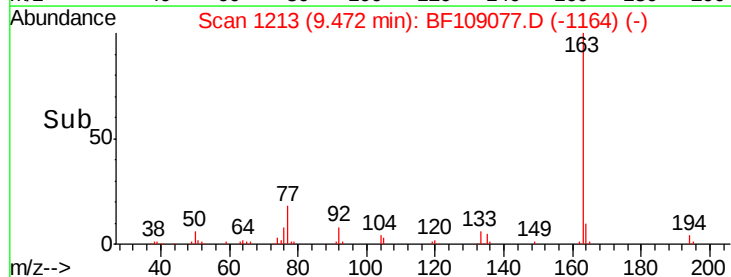
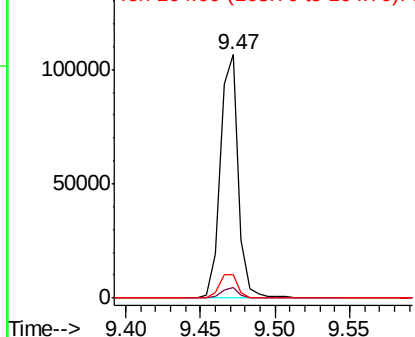


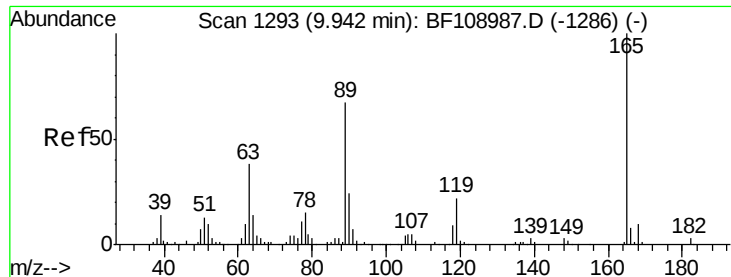
#49  
 Dimethylphthalate  
 Concen: 6.819 ng  
 RT: 9.47 min Scan# 1213  
 Delta R.T. -0.01 min  
 Lab File: BF109077.D  
 Acq: 18 Sep 2018 5:22

Tgt Ion:163 Resp: 90155  
 Ion Ratio Lower Upper  
 163 100  
 194 4.4 2.7 4.1#  
 164 9.6 8.2 12.2



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

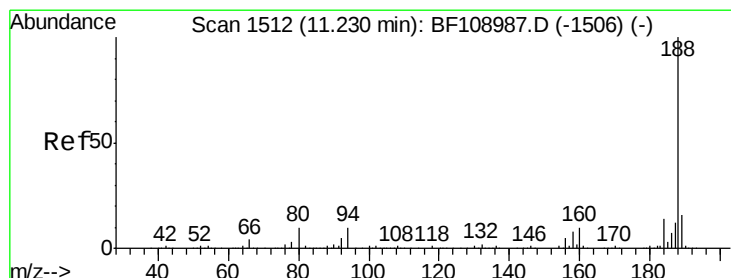
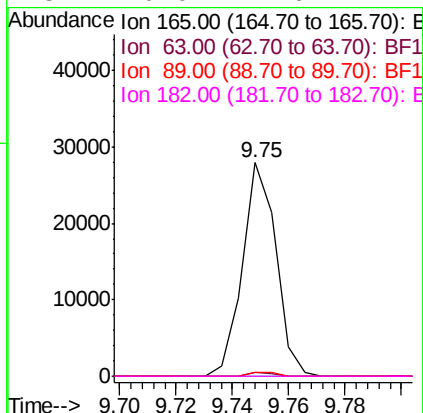
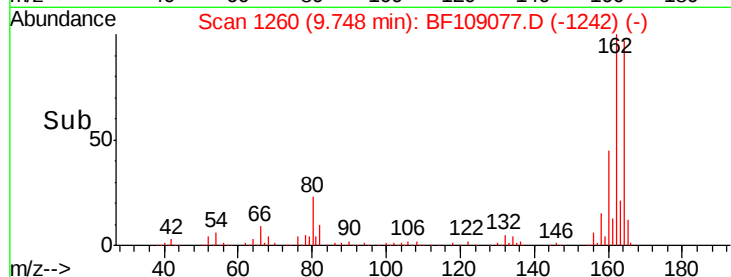
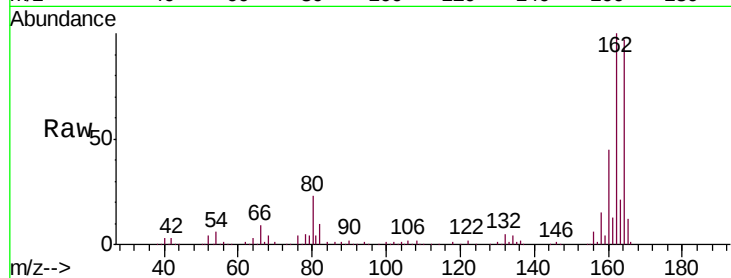




#56  
 2,4-Dinitrotoluene  
 Concen: 6.002 ng  
 RT: 9.75 min Scan# 1260  
 Delta R.T. -0.19 min  
 Lab File: BF109077.D  
 Acq: 18 Sep 2018 5:22

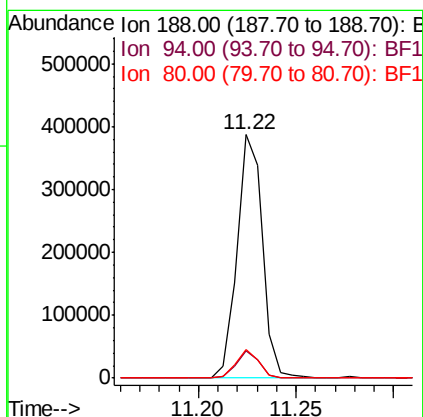
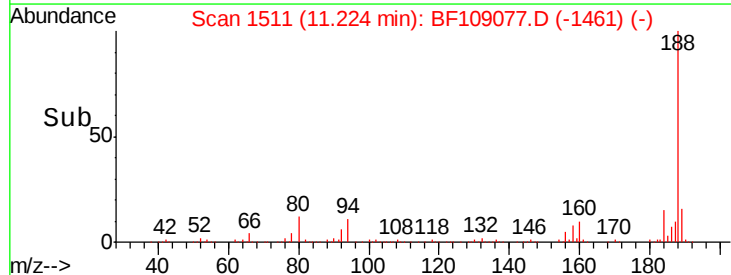
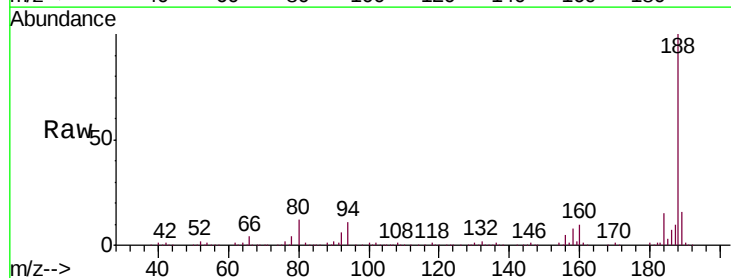
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CBH-591(1)HOSE

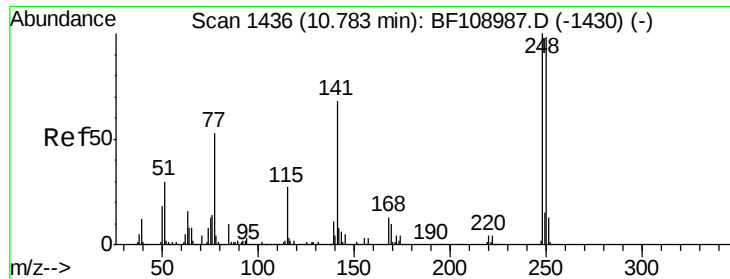
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 165   | Resp: | 23013 |
| Ion      | Ratio | Lower | Upper |
| 165      | 100   |       |       |
| 63       | 1.9   | 36.4  | 54.6# |
| 89       | 1.8   | 57.8  | 86.6# |
| 182      | 0.0   | 1.6   | 2.4#  |



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.22 min Scan# 1511  
 Delta R.T. -0.01 min  
 Lab File: BF109077.D  
 Acq: 18 Sep 2018 5:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 348378 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 11.1  | 8.5   | 12.7   |
| 80       | 11.5  | 9.2   | 13.8   |

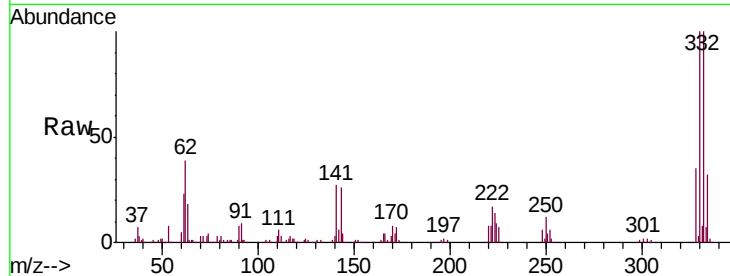




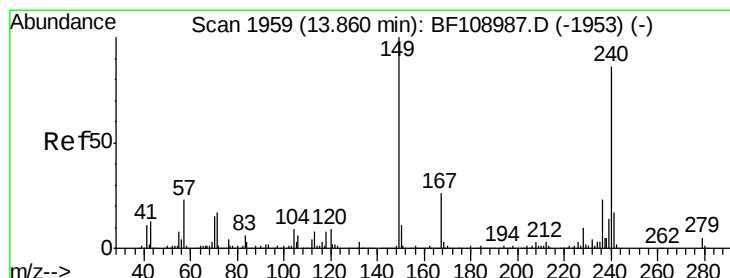
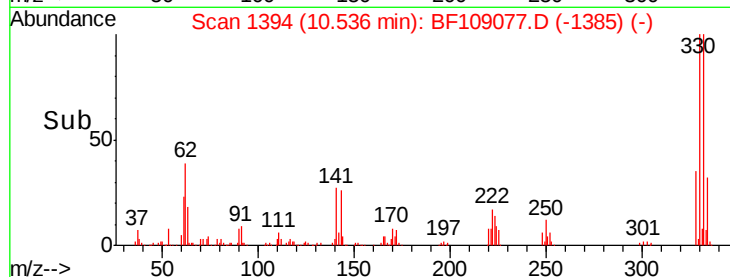
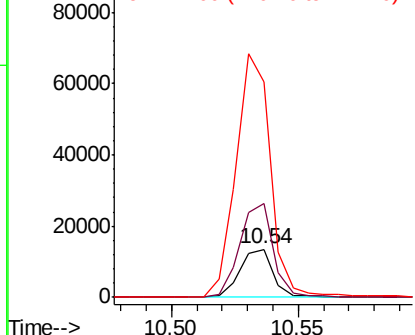
#66  
 4-Bromophenyl-phenylether  
 Concen: 3.147 ng  
 RT: 10.54 min Scan# 1394  
 Delta R.T. -0.25 min  
 Lab File: BF109077.D  
 Acq: 18 Sep 2018 5:22

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CBH-591(1)HOSE

Tgt Ion:248 Resp: 12358  
 Ion Ratio Lower Upper  
 248 100  
 250 195.5 76.9 115.3#  
 141 448.5 74.4 111.6#

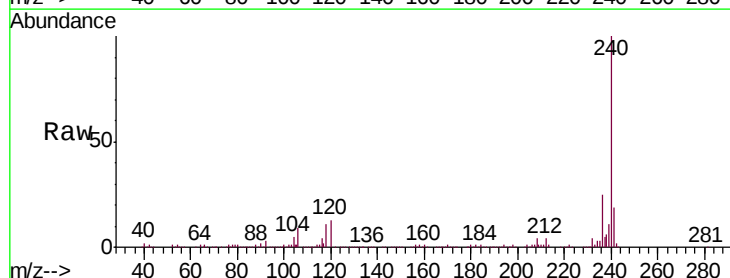


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

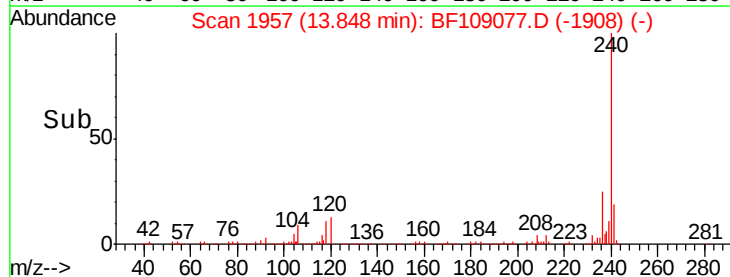
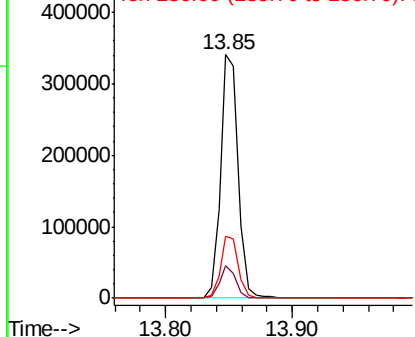


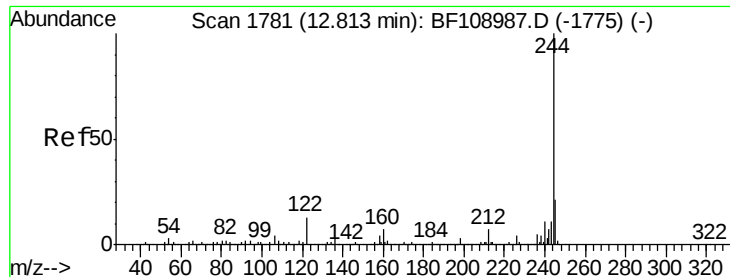
#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.85 min Scan# 1957  
 Delta R.T. -0.01 min  
 Lab File: BF109077.D  
 Acq: 18 Sep 2018 5:22

Tgt Ion:240 Resp: 328830  
 Ion Ratio Lower Upper  
 240 100  
 120 13.1 9.5 14.3  
 236 25.2 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: 98.489 ng

RT: 12.81 min Scan# 1781

Delta R.T. -0.00 min

Lab File: BF109077.D

Acq: 18 Sep 2018 5:22

Instrument :

BNA\_F

ClientSampleId :

CBH-591(1)HOSE

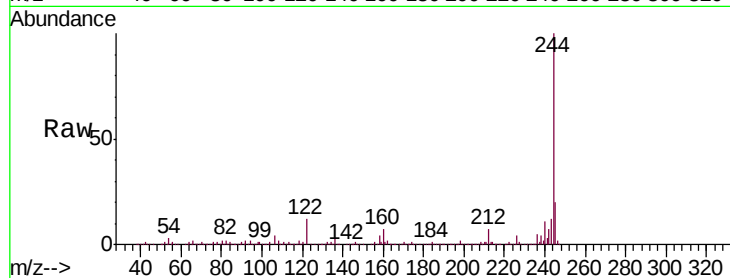
Tgt Ion:244 Resp: 1366354

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

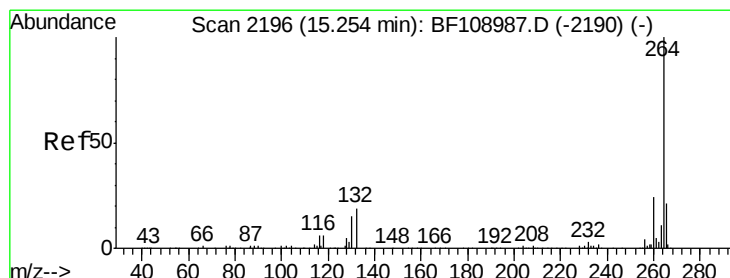
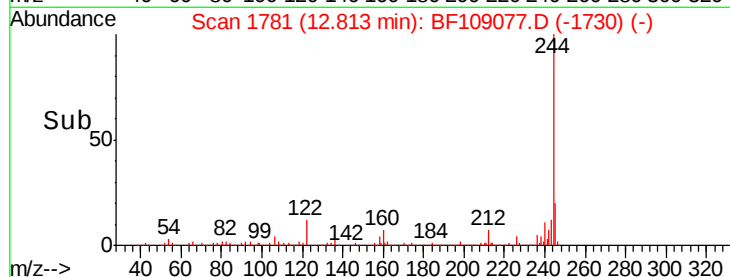
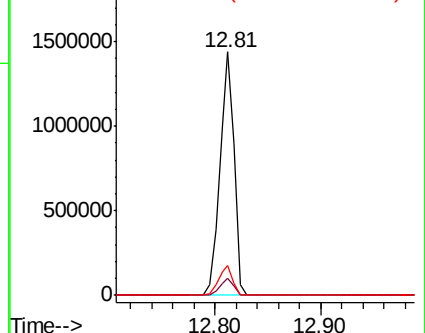
122 12.1 11.0 16.4



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: 20.000 ng

RT: 15.25 min Scan# 2196

Delta R.T. -0.00 min

Lab File: BF109077.D

Acq: 18 Sep 2018 5:22

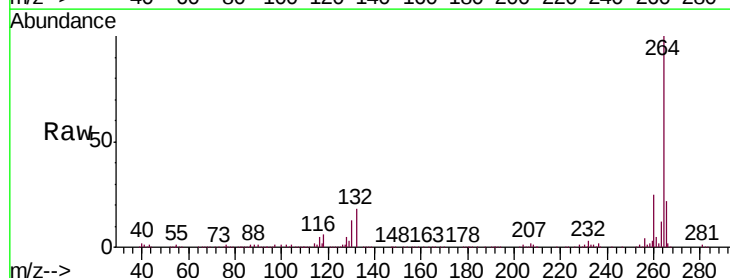
Tgt Ion:264 Resp: 240988

Ion Ratio Lower Upper

264 100

260 24.6 19.2 28.8

265 22.4 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

