

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\  
 Data File : BF115860.D  
 Acq On : 31 Jul 2019 12:39  
 Operator : HP/JU  
 Sample : PB121731BL  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jul 31 18:37:53 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 31 15:31:51 2019  
 Response via : Initial Calibration

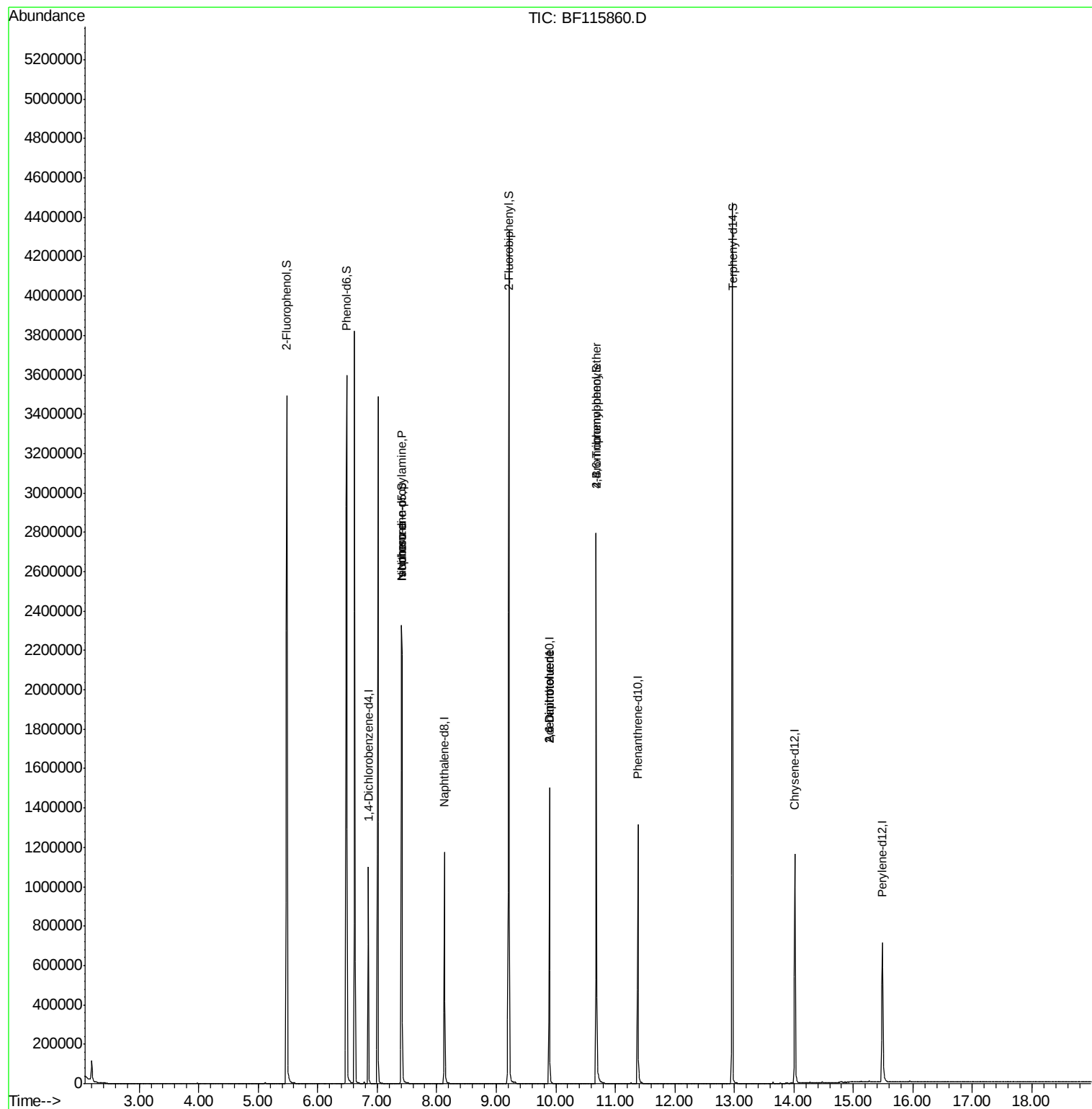
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.85  | 152  | 154107   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.13  | 136  | 576063   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.89  | 164  | 305914   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.38 | 188  | 548890   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 14.02 | 240  | 415985   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12               | 15.49 | 264  | 375887   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.48  | 112  | 1126425  | 122.36 | ng    | 0.01     |
| 7) Phenol-d6                   | 6.49  | 99   | 1459533  | 125.67 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.41  | 82   | 941122   | 94.30  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.68 | 330  | 391982   | 132.16 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.22  | 172  | 1591280  | 97.43  | ng    | 0.00     |
| 79) Terphenyl-d14              | 12.97 | 244  | 1764009  | 89.36  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.41  | 70   | 126784   | 17.616 | ng    | # 77     |
| 25) Isophorone                 | 7.41  | 82   | 929536   | 48.711 | ng    | # 66     |
| 51) 2,6-Dinitrotoluene         | 9.89  | 165  | 39061    | 8.629  | ng    | # 28     |
| 57) 2,4-Dinitrotoluene         | 9.89  | 165  | 39061    | 6.481  | ng    | # 24     |
| 67) 4-Bromophenyl-phenylether  | 10.68 | 248  | 24083    | 4.099  | ng    | # 1      |

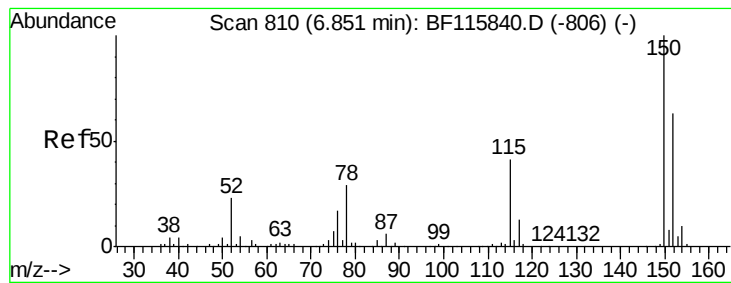
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\  
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Quant Time: Jul 31 18:37:53 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jul 31 15:31:51 2019  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.85 min Scan# 810

Delta R.T. 0.00 min

Lab File: BF115860.D

Acq: 31 Jul 2019 12:39

Instrument :

BNA\_F

ClientSampleId :

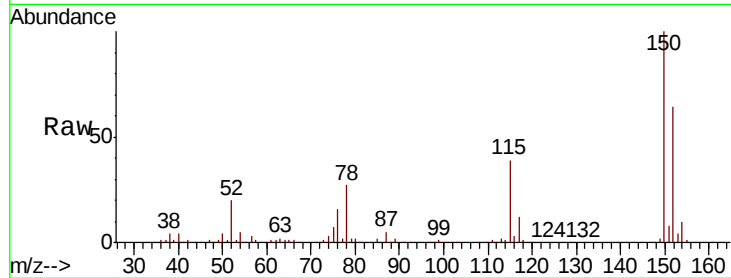
Tot Ion:152 Resp: 154107

Ion Ratio Lower Upper

152 100

150 155.8 127.4 191.0

115 60.5 51.8 77.8

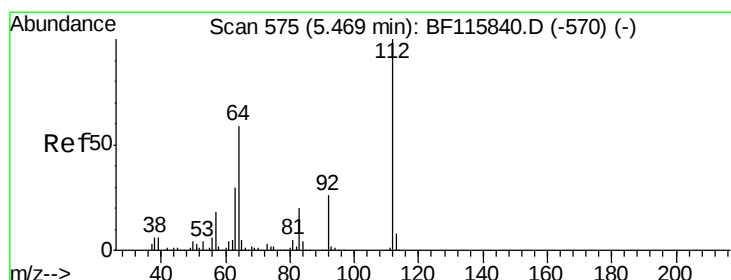
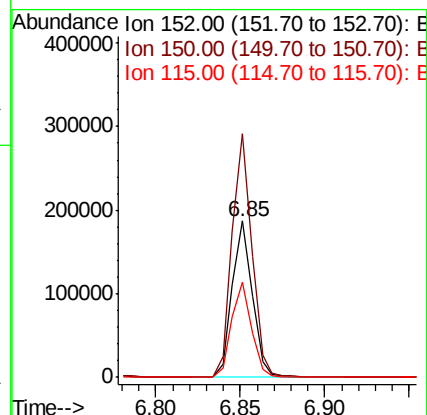
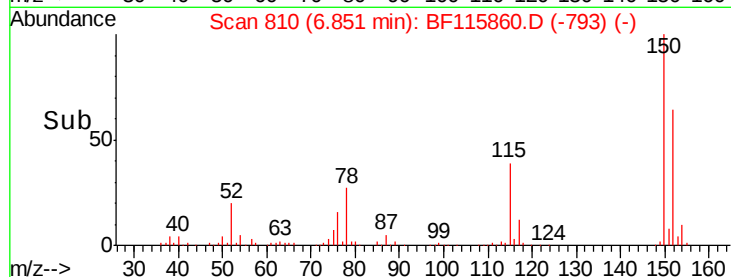


Abundance

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: 122.363 ng

RT: 5.48 min Scan# 577

Delta R.T. 0.01 min

Lab File: BF115860.D

Acq: 31 Jul 2019 12:39

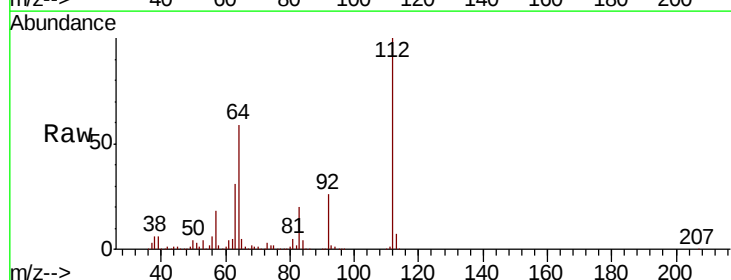
Tgt Ion:112 Resp: 1126425

Ion Ratio Lower Upper

112 100

64 58.5 46.8 70.2

63 30.7 24.2 36.2

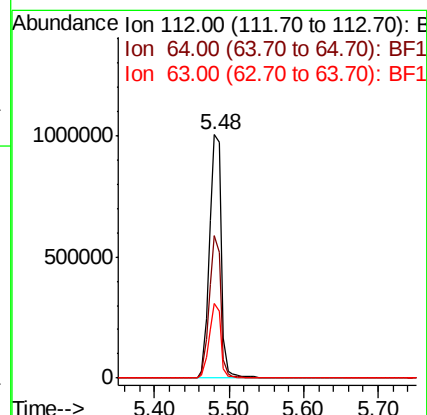
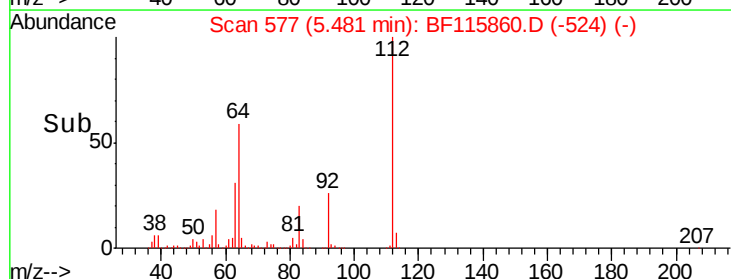


Abundance

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: 125.665 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF115860.D

Acq: 31 Jul 2019 12:39

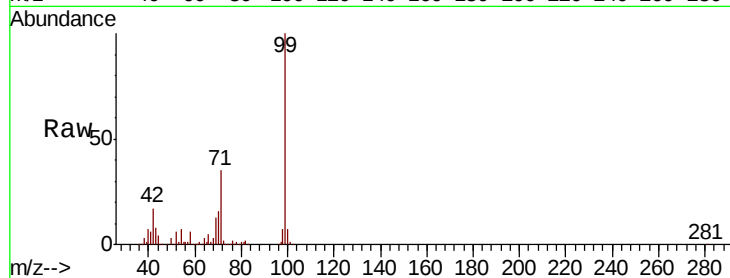
Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 99 Resp: 1459533

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 16.7  | 13.8  | 20.6  |
| 71  | 35.0  | 27.1  | 40.7  |

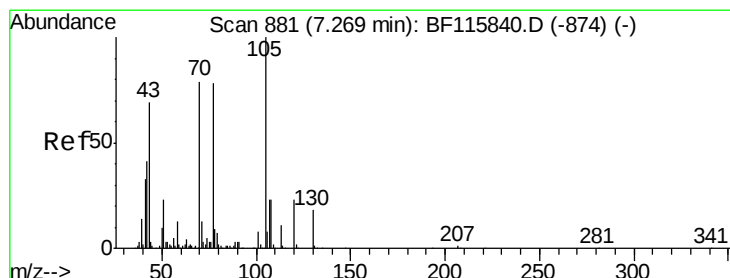
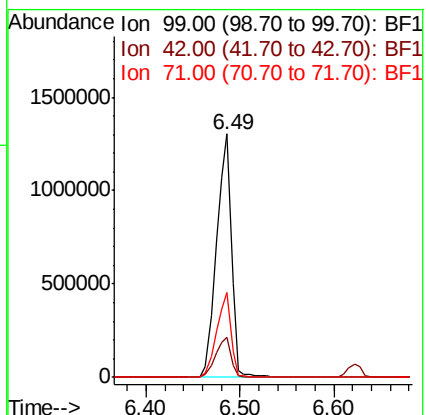
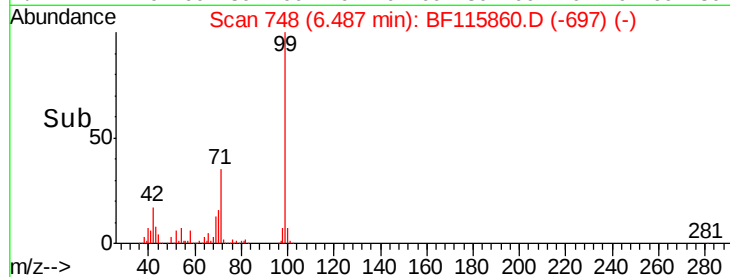


Abundance

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



#19

n-Nitroso-di-n-propylamine

Concen: 17.616 ng

RT: 7.41 min Scan# 905

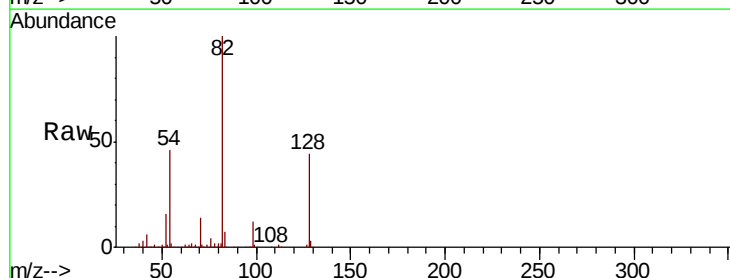
Delta R.T. 0.14 min

Lab File: BF115860.D

Acq: 31 Jul 2019 12:39

Tgt Ion: 70 Resp: 126784

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 42.5  | 41.8  | 62.8  |
| 101 | 0.0   | 7.7   | 11.5# |
| 130 | 2.2   | 17.8  | 26.6# |



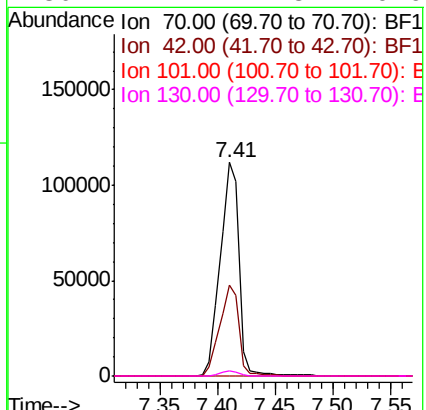
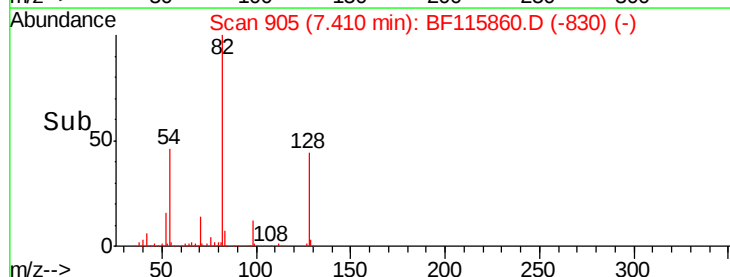
Abundance

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: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BF115860.D

Acq: 31 Jul 2019 12:39

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:136 Resp: 576063

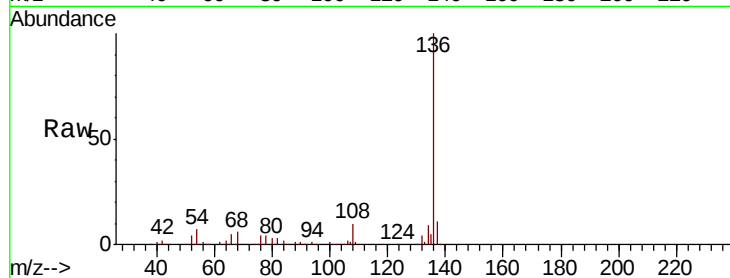
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 6.6 6.1 9.1

68 5.8 5.4 8.2

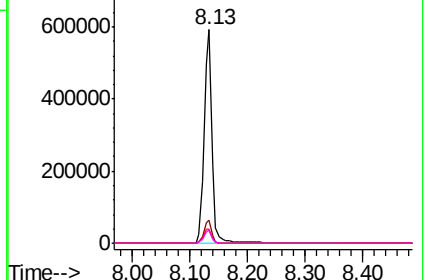
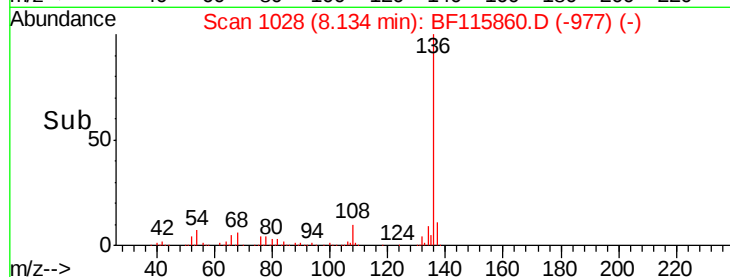


Abundance Ion 136.00 (135.70 to 136.70): E

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: 94.303 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF115860.D

Acq: 31 Jul 2019 12:39

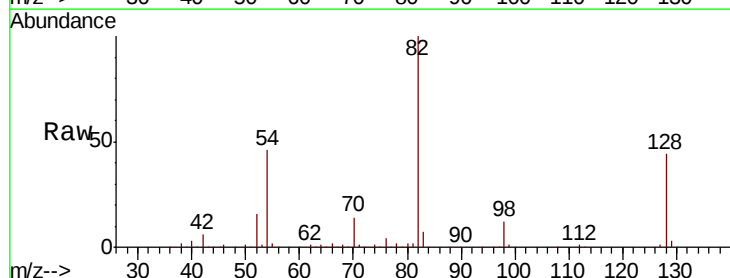
Tgt Ion: 82 Resp: 941122

Ion Ratio Lower Upper

82 100

128 44.5 36.6 55.0

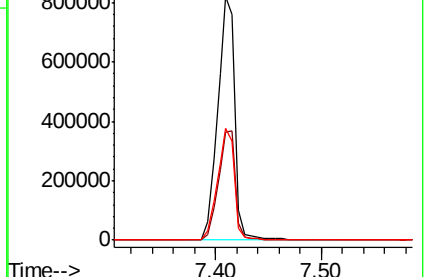
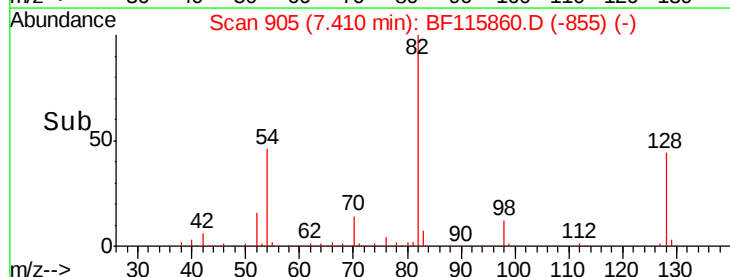
54 45.7 36.6 55.0



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: 48.711 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF115860.D

Acq: 31 Jul 2019 12:39

Instrument :

BNA\_F

ClientSampled :

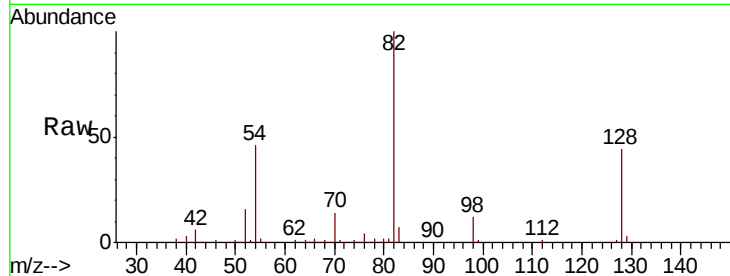
Tot Ion: 82 Resp: 929536

Ion Ratio Lower Upper

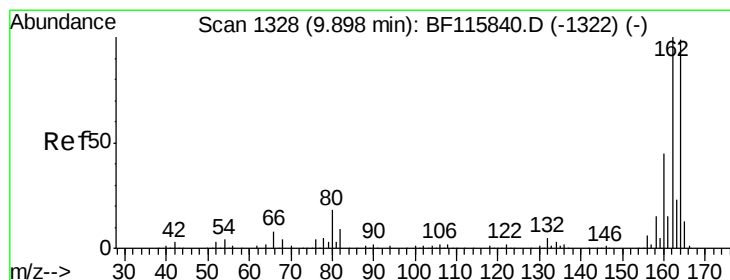
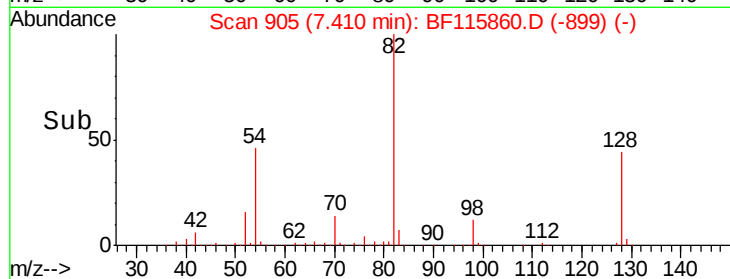
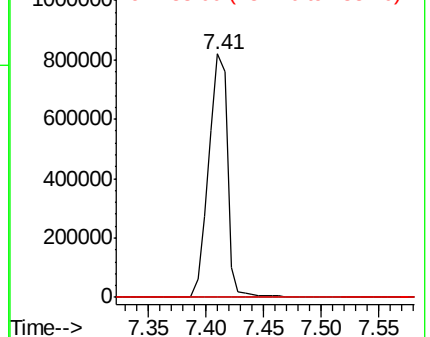
82 100

95 0.0 5.5 8.3#

138 0.0 13.9 20.9#



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: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF115860.D

Acq: 31 Jul 2019 12:39

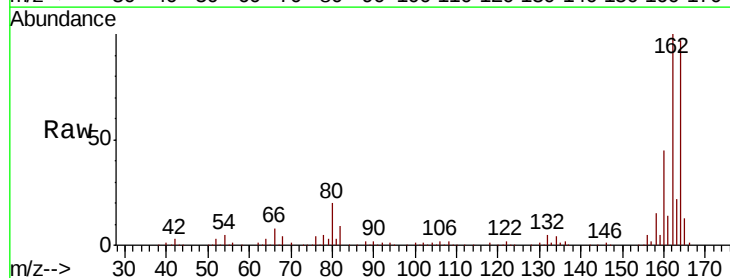
Tgt Ion: 164 Resp: 305914

Ion Ratio Lower Upper

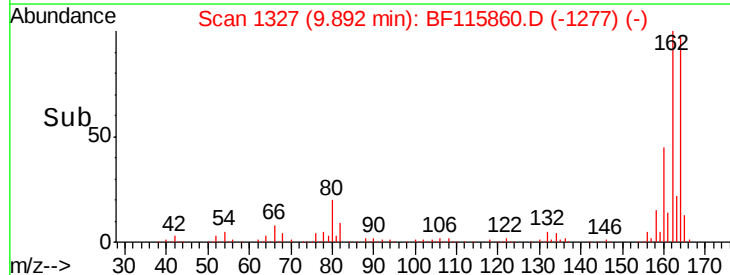
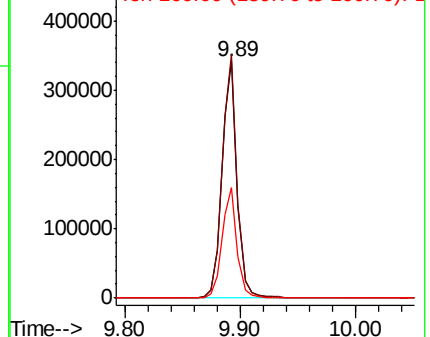
164 100

162 102.7 80.8 121.2

160 46.6 36.2 54.4



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

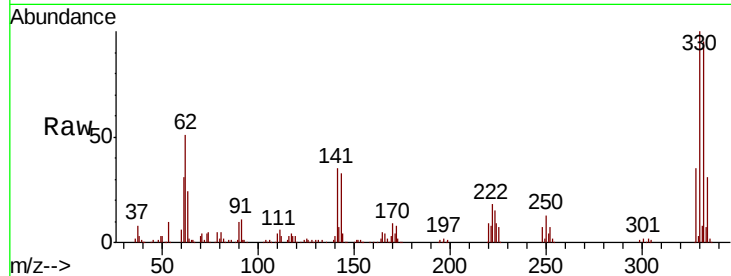




#42  
 2,4,6-Tribromophenol  
 Concen: 132.162 ng  
 RT: 10.68 min Scan# 1461  
 Delta R.T. -0.01 min  
 Lab File: BF115860.D  
 Acq: 31 Jul 2019 12:39

Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.4  | 77.7  | 116.5 |
| 141     | 33.2  | 28.1  | 42.1  |

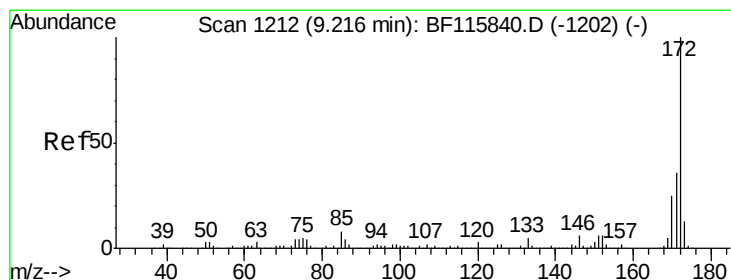
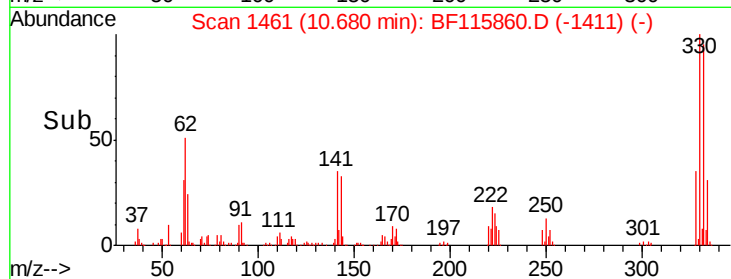
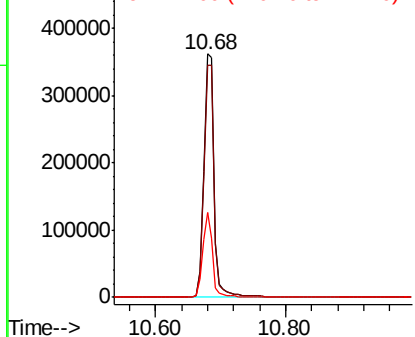


Abundance

Ion 329.80 (329.50 to 330.50): E

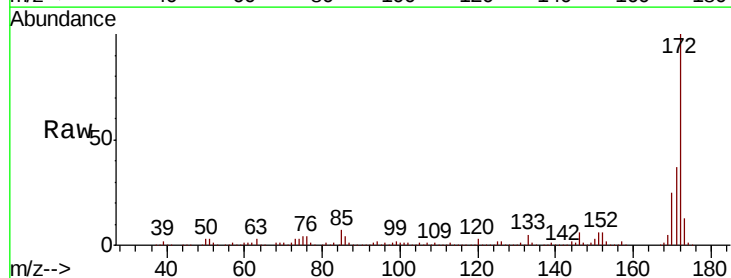
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 97.432 ng  
 RT: 9.22 min Scan# 1212  
 Delta R.T. 0.00 min  
 Lab File: BF115860.D  
 Acq: 31 Jul 2019 12:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.5  | 29.1  | 43.7  |
| 170     | 25.3  | 20.1  | 30.1  |

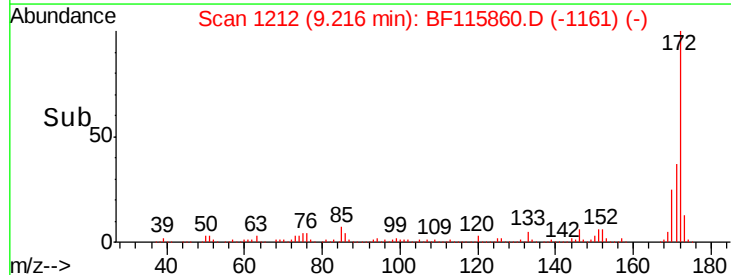
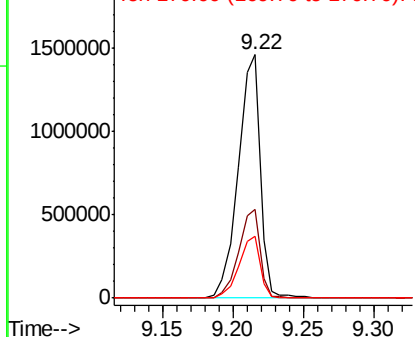


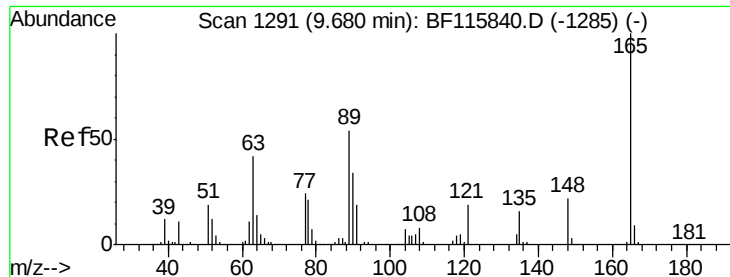
Abundance

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

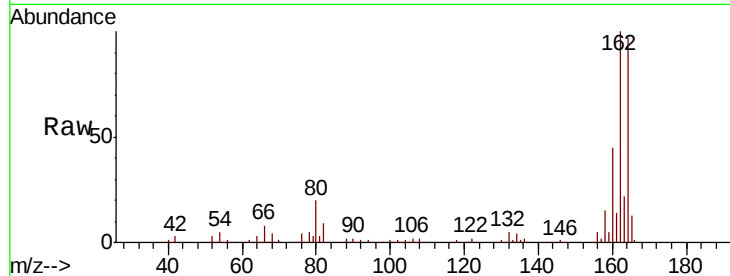




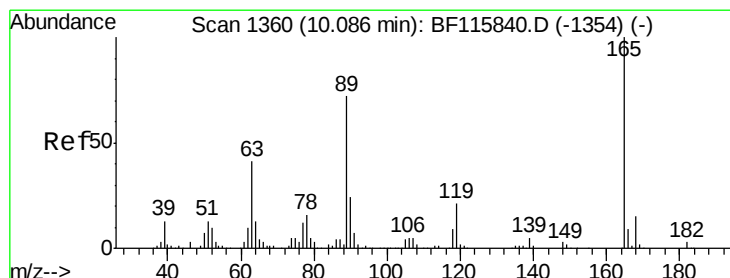
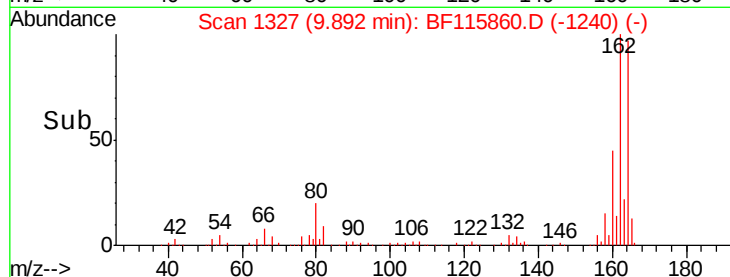
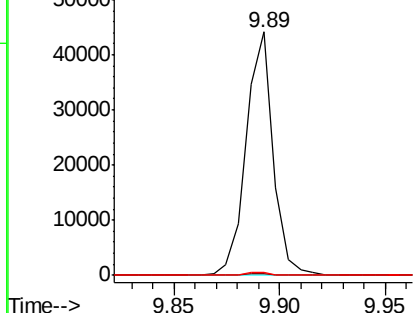
#51  
 2,6-Dinitrotoluene  
 Concen: 8.629 ng  
 RT: 9.89 min Scan# 1327  
 Delta R.T. 0.21 min  
 Lab File: BF115860.D  
 Acq: 31 Jul 2019 12:39

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.8   | 39.4  | 59.2# |
| 89      | 1.2   | 43.0  | 64.6# |



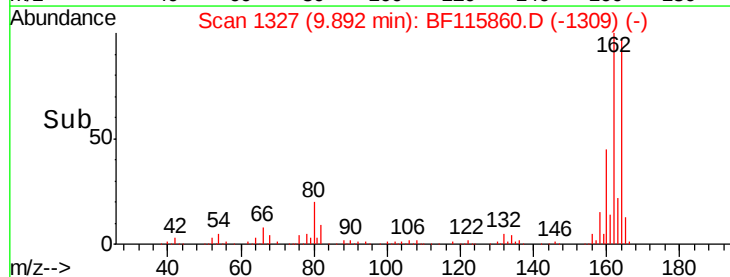
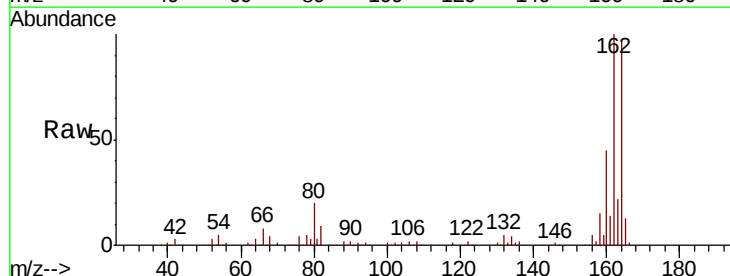
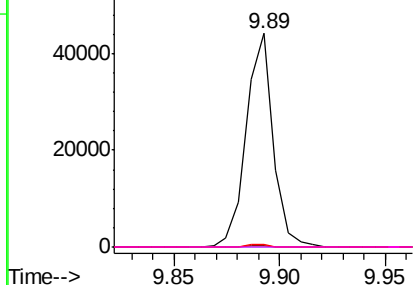
Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1



#57  
 2,4-Dinitrotoluene  
 Concen: 6.481 ng  
 RT: 9.89 min Scan# 1327  
 Delta R.T. -0.19 min  
 Lab File: BF115860.D  
 Acq: 31 Jul 2019 12:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.8   | 33.2  | 49.8# |
| 89      | 1.2   | 57.3  | 85.9# |
| 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): BF1  
 Ion 89.00 (88.70 to 89.70): BF1  
 Ion 182.00 (181.70 to 182.70): E

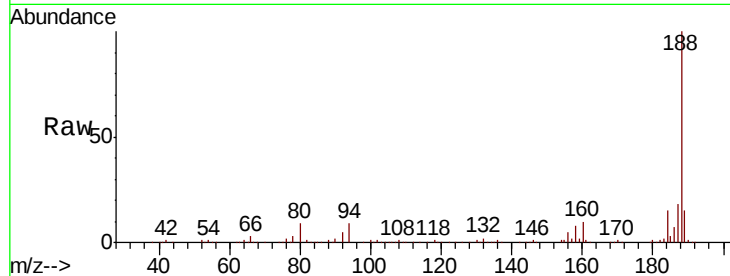




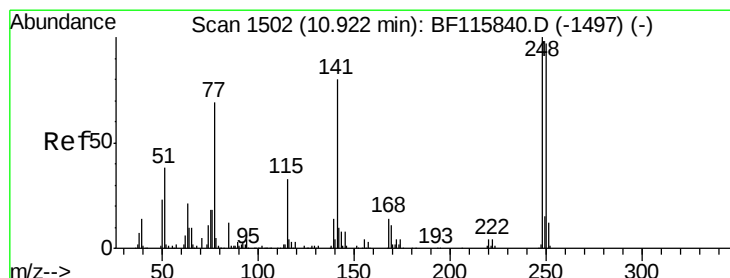
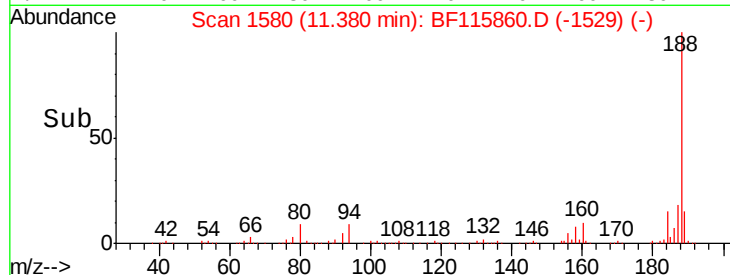
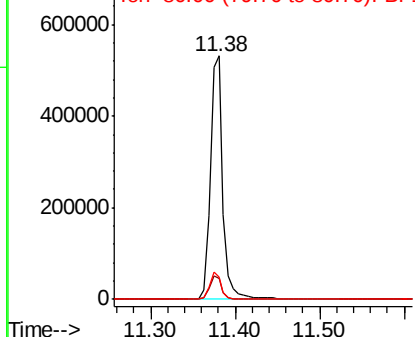
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.38 min Scan# 1580  
Delta R.T. 0.00 min  
Lab File: BF115860.D  
Acq: 31 Jul 2019 12:39

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:188 Resp: 548890  
Ion Ratio Lower Upper  
188 100  
94 8.5 8.0 12.0  
80 9.0 8.6 12.8

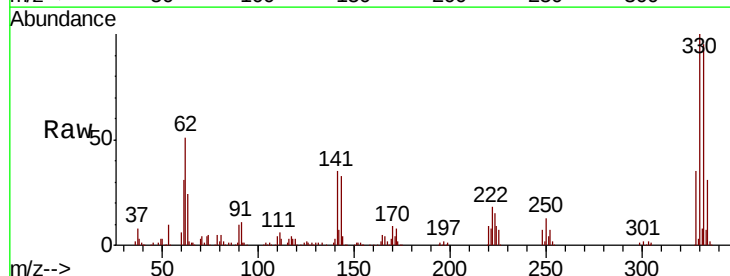


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

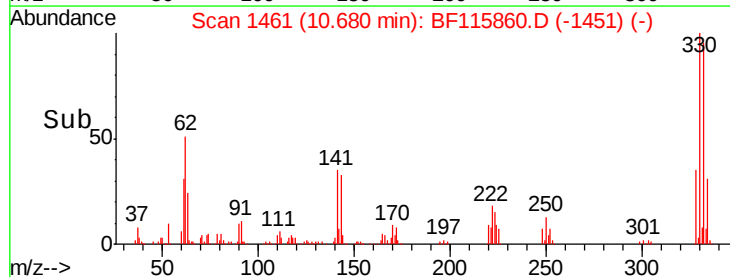
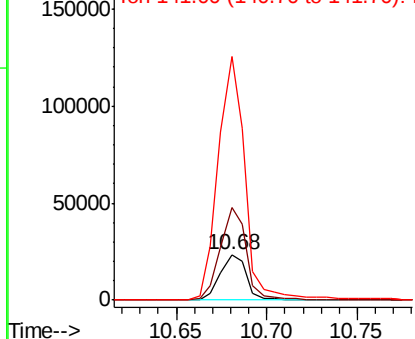


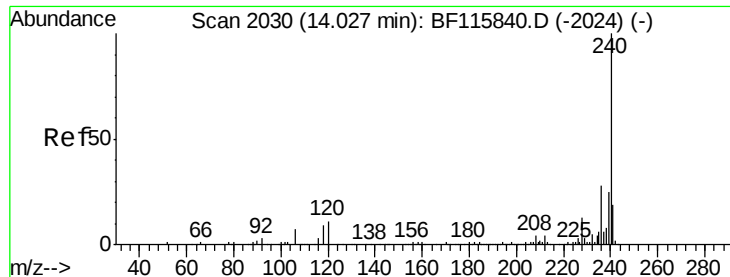
#67  
4-Bromophenyl-phenylether  
Concen: 4.099 ng  
RT: 10.68 min Scan# 1461  
Delta R.T. -0.24 min  
Lab File: BF115860.D  
Acq: 31 Jul 2019 12:39

Tgt Ion:248 Resp: 24083  
Ion Ratio Lower Upper  
248 100  
250 203.0 77.8 116.6#  
141 530.9 64.3 96.5#



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

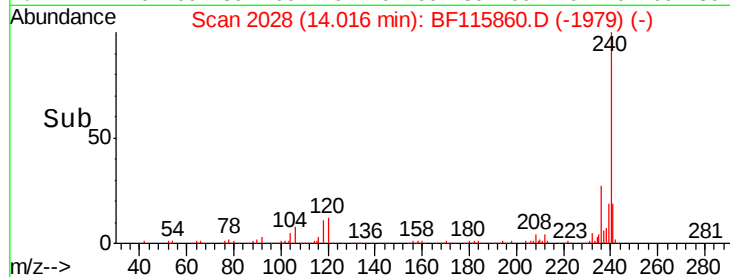
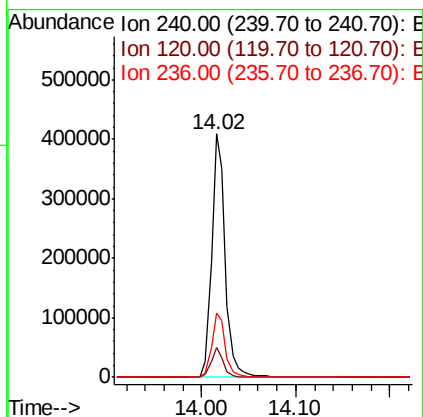
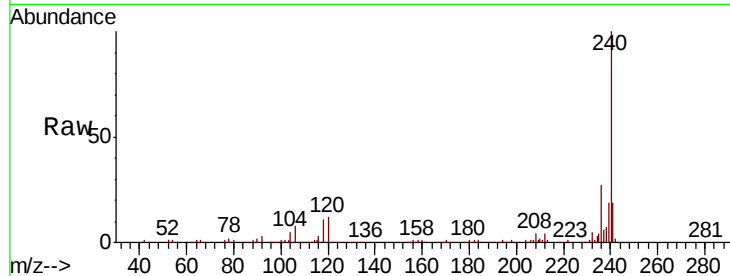




#76  
 Chrvsene-d12  
 Concen: 20.000 ng  
 RT: 14.02 min Scan# 2028  
 Delta R.T. -0.01 min  
 Lab File: BF115860.D  
 Acq: 31 Jul 2019 12:39

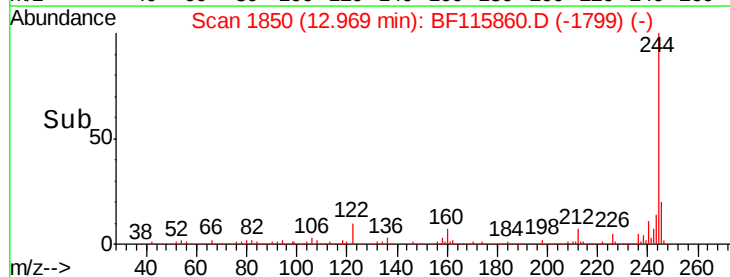
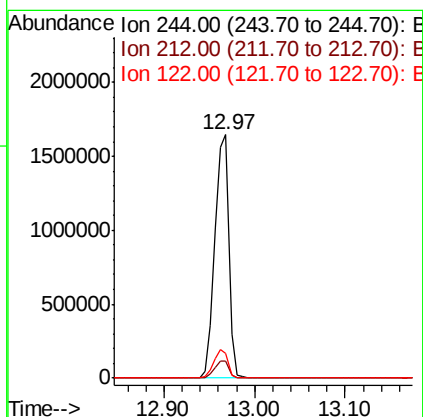
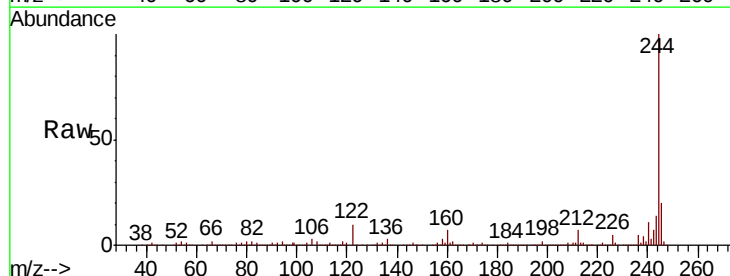
Instrument :  
 BNA\_F  
 ClientSampled :

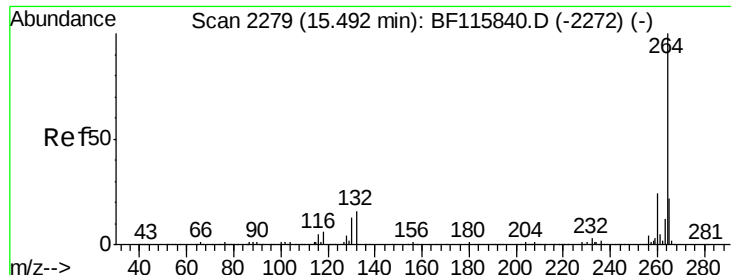
Tot Ion:240 Resp: 415985  
 Ion Ratio Lower Upper  
 240 100  
 120 12.2 8.5 12.7  
 236 26.7 22.2 33.2



#79  
 Terphenyl-d14  
 Concen: 89.356 ng  
 RT: 12.97 min Scan# 1850  
 Delta R.T. 0.00 min  
 Lab File: BF115860.D  
 Acq: 31 Jul 2019 12:39

Tgt Ion:244 Resp: 1764009  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 5.6 8.4  
 122 10.4 8.6 13.0

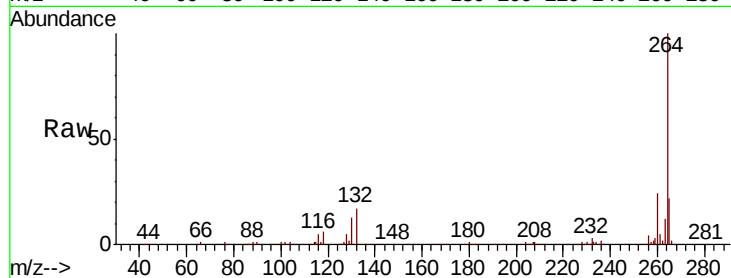




#87  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.49 min Scan# 2278  
 Delta R.T. -0.01 min  
 Lab File: BF115860.D  
 Acq: 31 Jul 2019 12:39

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.3  | 19.4  | 29.2  |
| 265     | 22.2  | 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

