

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112519\  
 Data File : BF117980.D  
 Acq On : 25 Nov 2019 21:55  
 Operator : JU  
 Sample : K5999-05  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Nov 26 03:52:49 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 13 18:36:07 2019  
 Response via : Initial Calibration

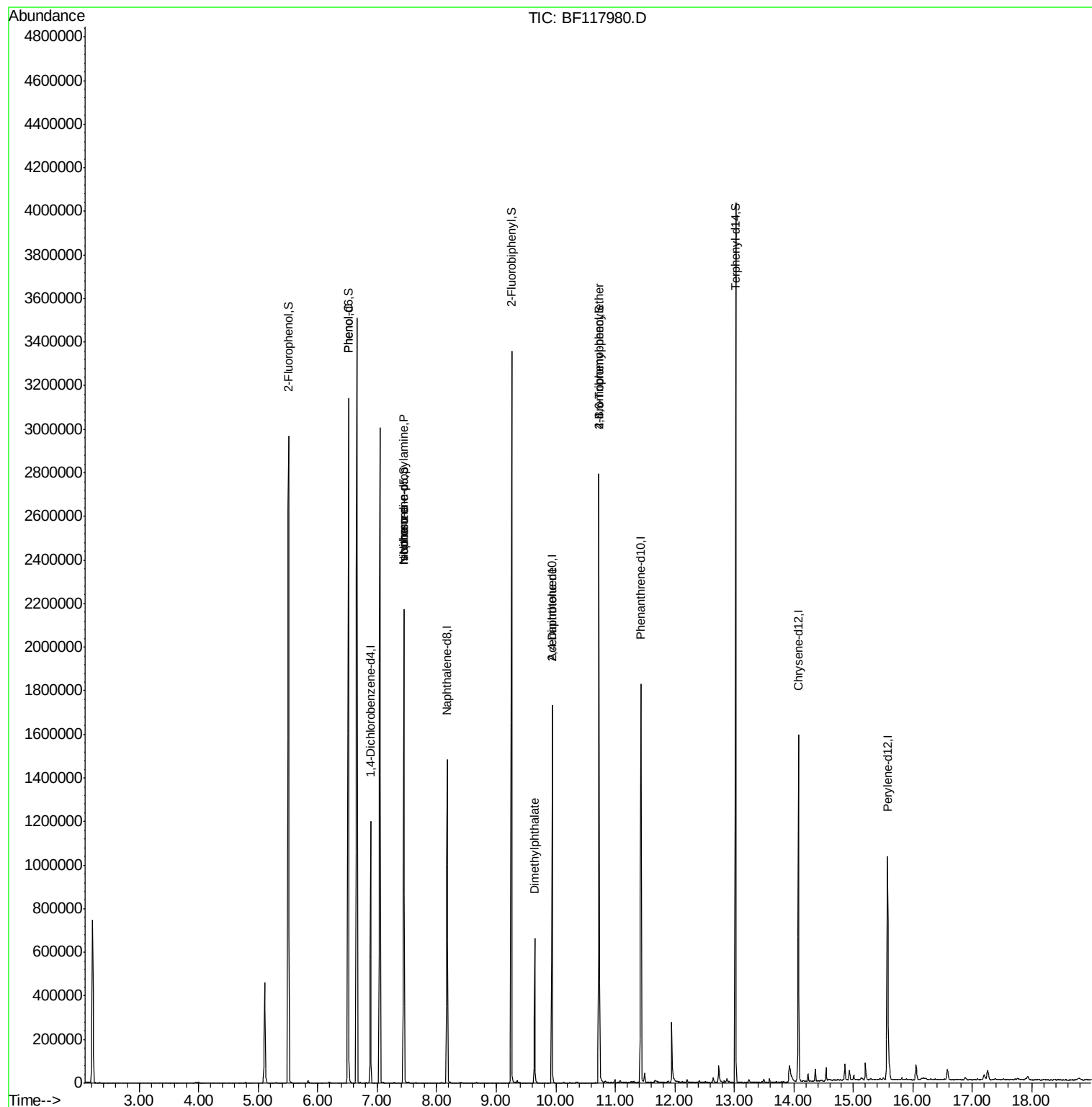
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.89  | 152  | 161496   | 20.00     | ng     | -0.04    |
| 21) Naphthalene-d8             | 8.17  | 136  | 663790   | 20.00     | ng     | -0.04    |
| 39) Acenaphthene-d10           | 9.94  | 164  | 369196   | 20.00     | ng     | -0.04    |
| 64) Phenanthrene-d10           | 11.43 | 188  | 719419   | 20.00     | ng     | -0.04    |
| 76) Chrysene-d12               | 14.08 | 240  | 537053   | 20.00     | ng     | -0.04    |
| 87) Perylene-d12               | 15.57 | 264  | 474303   | 20.00     | ng     | -0.05    |
| System Monitoring Compounds    |       |      |          |           |        |          |
| 5) 2-Fluorophenol              | 5.51  | 112  | 901327   | 98.79     | ng     | -0.02    |
| 7) Phenol-d6                   | 6.52  | 99   | 1160012  | 105.41    | ng     | -0.03    |
| 23) Nitrobenzene-d5            | 7.45  | 82   | 722102   | 64.67     | ng     | -0.04    |
| 42) 2,4,6-Tribromophenol       | 10.73 | 330  | 400227   | 102.40    | ng     | -0.04    |
| 45) 2-Fluorobiphenyl           | 9.26  | 172  | 1169987  | 56.85     | ng     | -0.04    |
| 79) Terphenyl-d14              | 13.02 | 244  | 1373286  | 46.73     | ng     | -0.04    |
| Target Compounds               |       |      |          |           |        |          |
| 9) Benzaldehyde                | 6.52  | 77   | 2119     | Below Cal | Qvalue | # 1      |
| 10) Phenol                     | 6.52  | 94   | 27397    | 2.396 ng  | #      | 56       |
| 19) n-Nitroso-di-n-propylamine | 7.45  | 70   | 98001    | 14.436 ng | #      | 74       |
| 25) Isophorone                 | 7.45  | 82   | 710273   | 34.705 ng | #      | 62       |
| 50) Dimethylphthalate          | 9.65  | 163  | 252297   | 9.745 ng  |        | 98       |
| 57) 2,4-Dinitrotoluene         | 9.94  | 165  | 46541    | 6.466 ng  | #      | 25       |
| 67) 4-Bromophenyl-phenylether  | 10.73 | 248  | 25400    | 3.272 ng  | #      | 1        |
| 75) Fluoranthene               | 12.64 | 202  | 7736     | Below Cal |        | 96       |

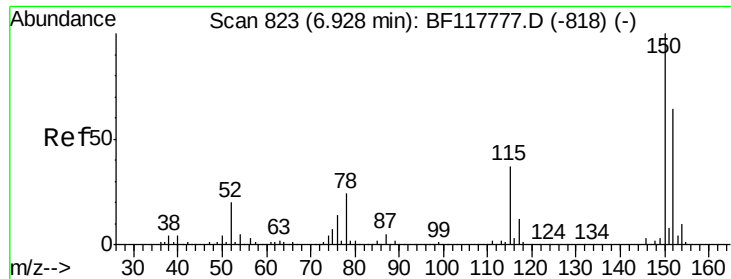
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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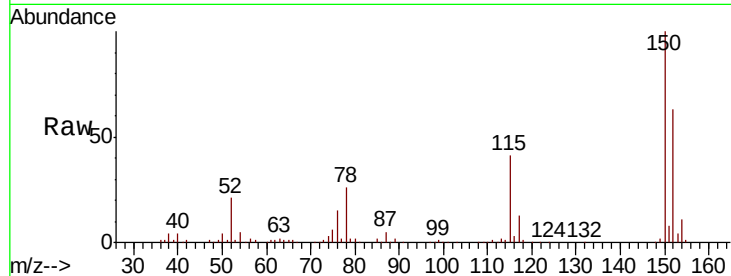


#1

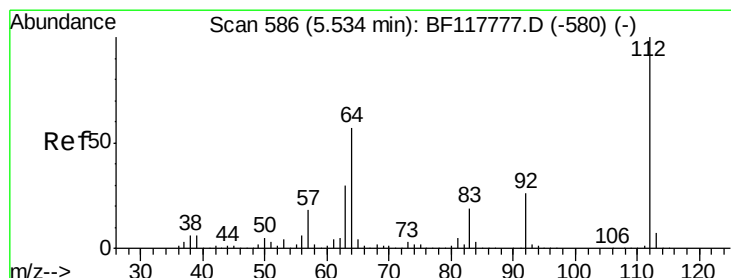
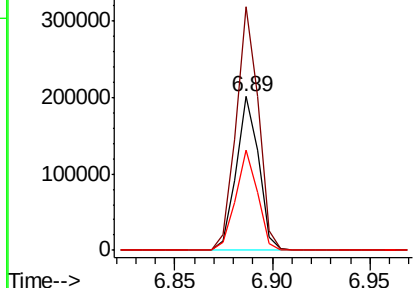
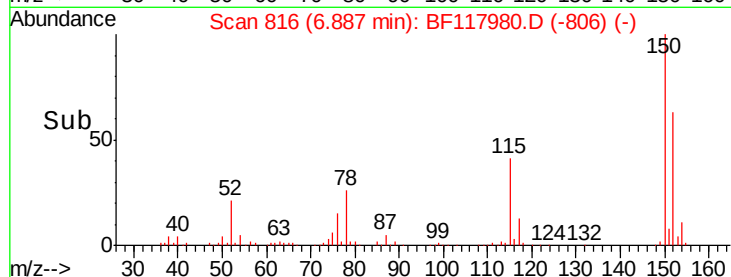
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.89 min Scan# 816  
Delta R.T. -0.04 min  
Lab File: BF117980.D  
Acq: 25 Nov 2019 21:55

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 161496  
Ion Ratio Lower Upper  
152 100  
150 158.6 125.3 187.9  
115 65.3 47.0 70.4



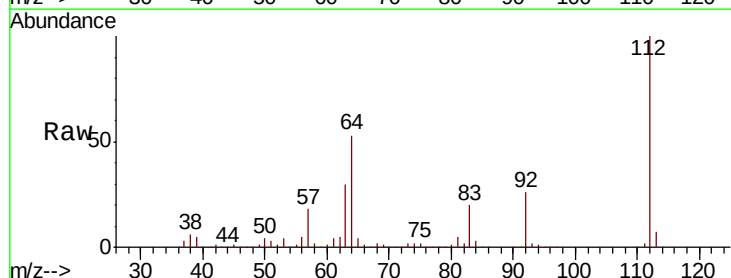
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



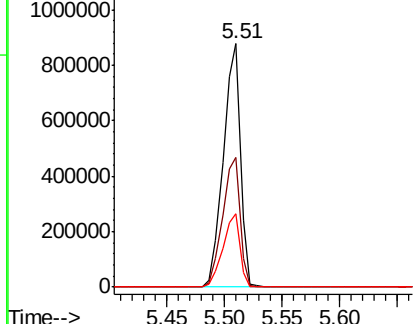
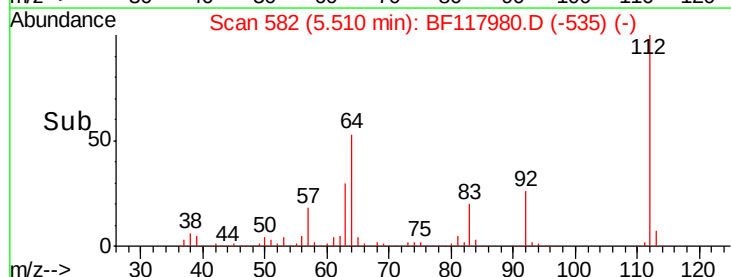
#5

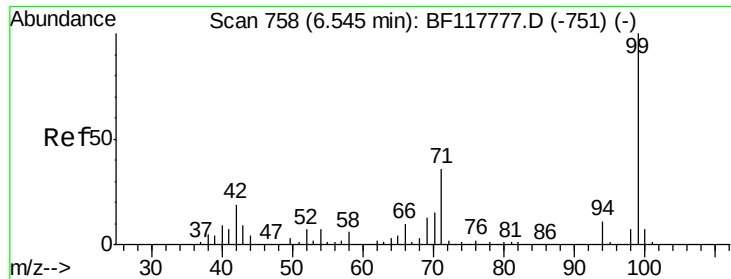
2-Fluorophenol  
Concen: 98.792 ng  
RT: 5.51 min Scan# 582  
Delta R.T. -0.02 min  
Lab File: BF117980.D  
Acq: 25 Nov 2019 21:55

Tgt Ion:112 Resp: 901327  
Ion Ratio Lower Upper  
112 100  
64 53.1 45.6 68.4  
63 30.3 24.1 36.1



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: 105.413 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.03 min

Lab File: BF117980.D

Acq: 25 Nov 2019 21:55

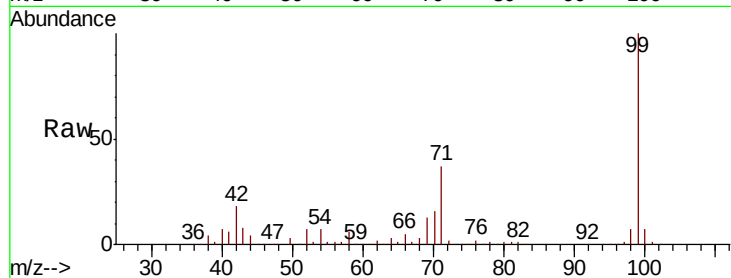
Instrument :

BNA\_F

ClientSampled :

Tot Ion: 99 Resp: 1160012

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 17.9  | 14.9  | 22.3  |
| 71  | 37.4  | 28.6  | 43.0  |

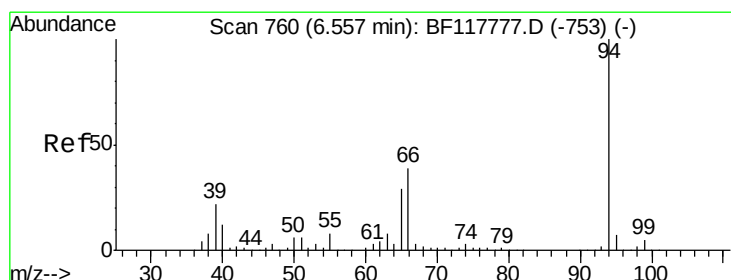
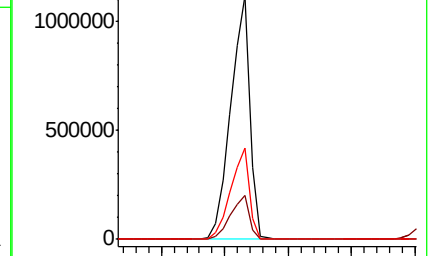
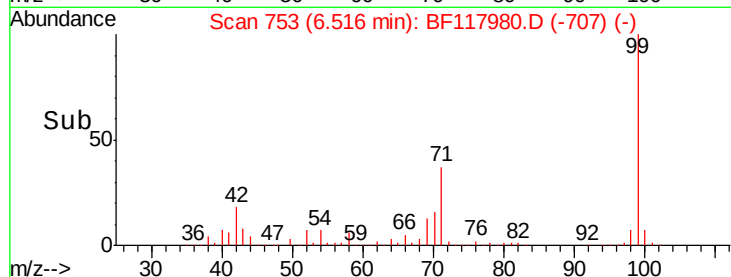


Abundance

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



#10

Phenol

Concen: 2.396 ng

RT: 6.52 min Scan# 754

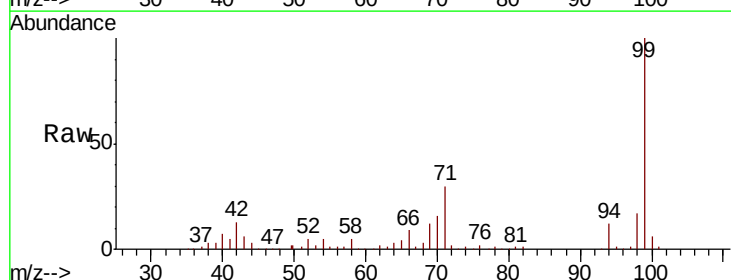
Delta R.T. -0.04 min

Lab File: BF117980.D

Acq: 25 Nov 2019 21:55

Tgt Ion: 94 Resp: 27397

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 37.7  | 8.9   | 48.9  |
| 66  | 78.0  | 18.7  | 58.7  |

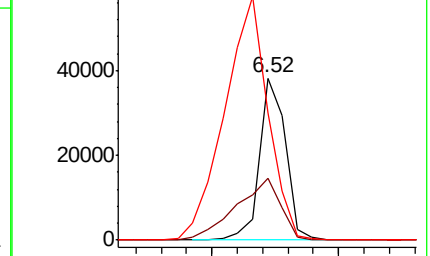
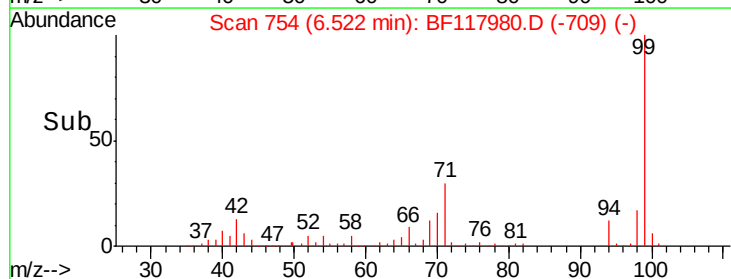


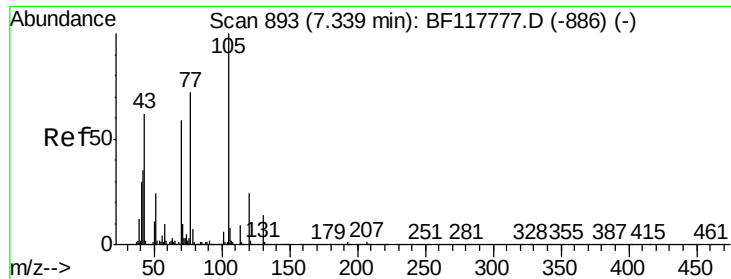
Abundance

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

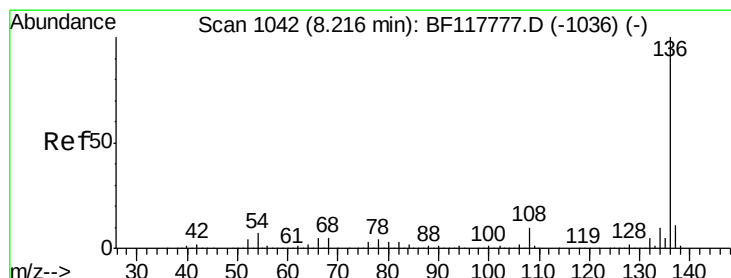
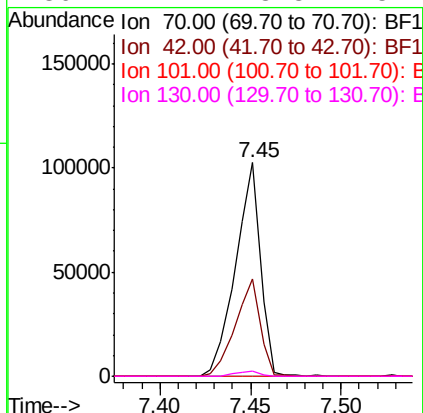
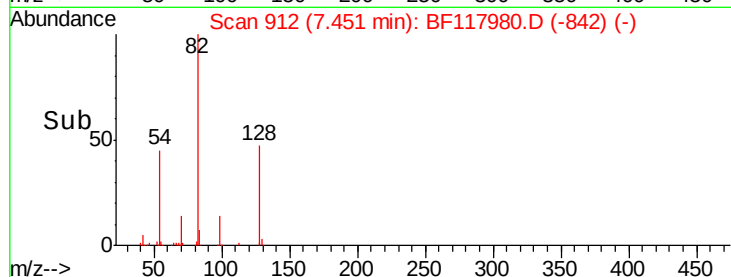
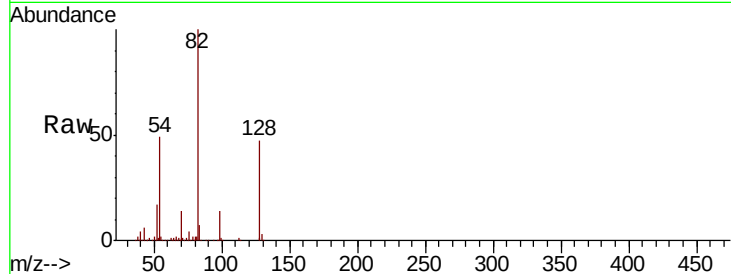




#19  
n-Nitroso-di-n-propylamine  
Concen: 14.436 ng  
RT: 7.45 min Scan# 912  
Delta R.T. 0.11 min  
Lab File: BF117980.D  
Acq: 25 Nov 2019 21:55

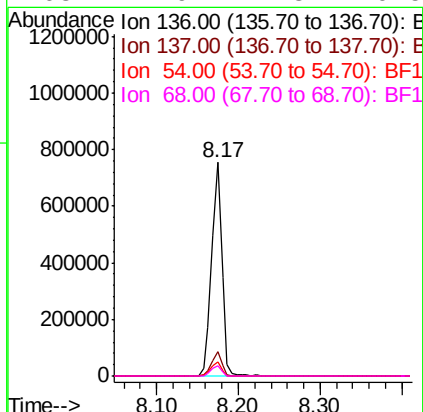
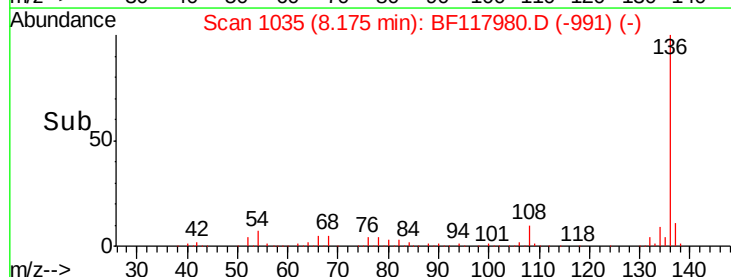
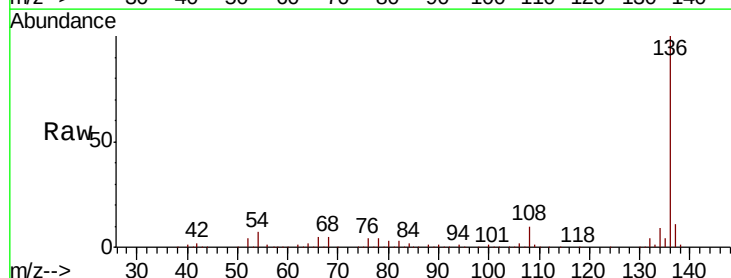
Instrument :  
BNA\_F  
ClientSampleId :

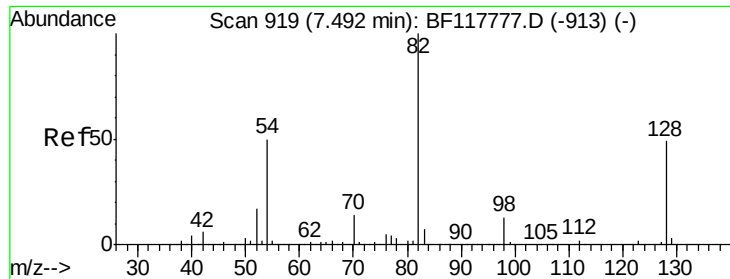
Tot Ion: 70 Resp: 98001  
Ion Ratio Lower Upper  
70 100  
42 45.5 47.4 71.2#  
101 0.0 8.4 12.6#  
130 2.1 18.8 28.2#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.17 min Scan# 1035  
Delta R.T. -0.04 min  
Lab File: BF117980.D  
Acq: 25 Nov 2019 21:55

Tgt Ion:136 Resp: 663790  
Ion Ratio Lower Upper  
136 100  
137 11.2 9.0 13.4  
54 6.7 5.4 8.2  
68 4.9 4.3 6.5

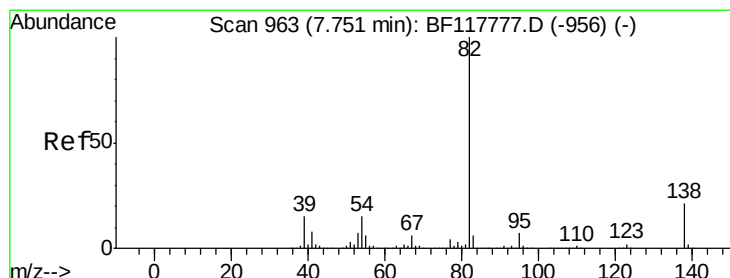
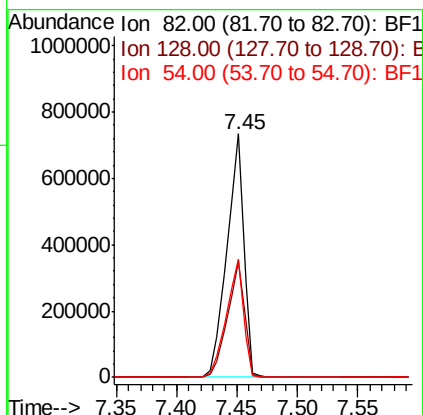
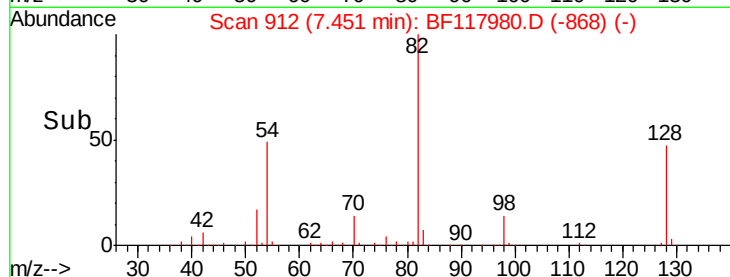
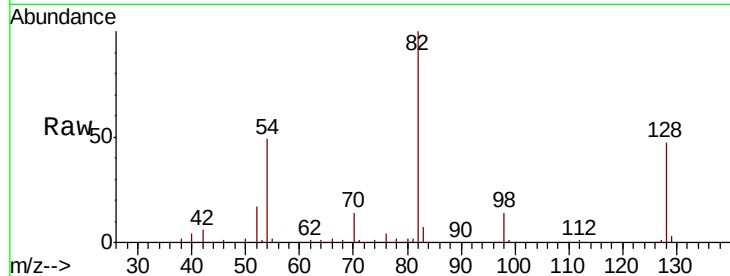




#23  
 Nitrobenzene-d5  
 Concen: 64.668 ng  
 RT: 7.45 min Scan# 912  
 Delta R.T. -0.04 min  
 Lab File: BF117980.D  
 Acq: 25 Nov 2019 21:55

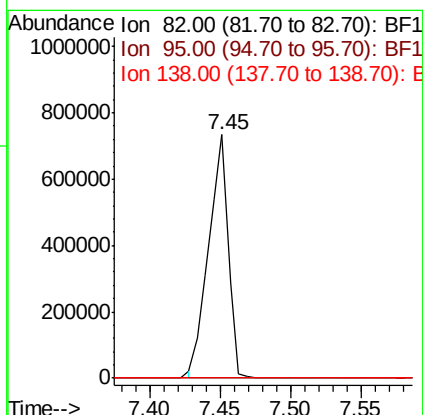
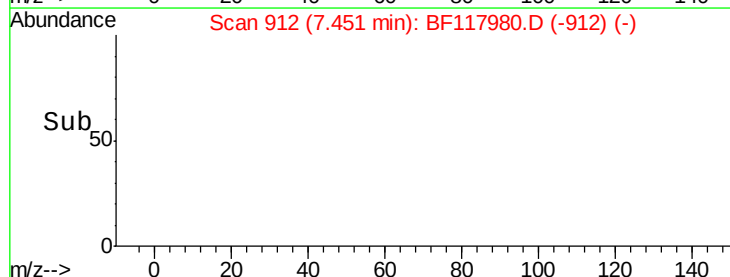
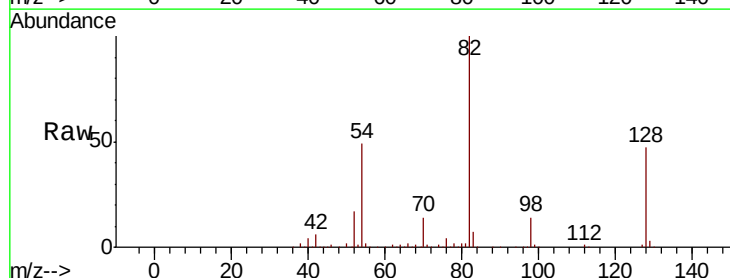
Instrument :  
 BNA\_F  
 ClientSampleId :

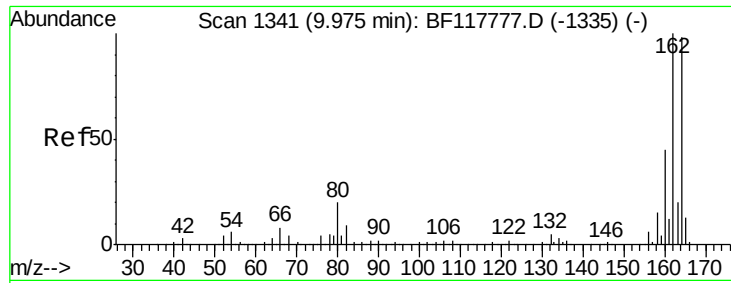
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 82    | Resp: | 722102 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 47.4  | 38.9  | 58.3   |
| 54       | 48.5  | 39.8  | 59.6   |



#25  
 Isophorone  
 Concen: 34.705 ng  
 RT: 7.45 min Scan# 912  
 Delta R.T. -0.30 min  
 Lab File: BF117980.D  
 Acq: 25 Nov 2019 21:55

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 710273 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 95       | 0.0   | 5.8   | 8.8#   |
| 138      | 0.0   | 16.5  | 24.7#  |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.04 min

Lab File: BF117980.D

Acq: 25 Nov 2019 21:55

Instrument :

BNA\_F

ClientSampleId :

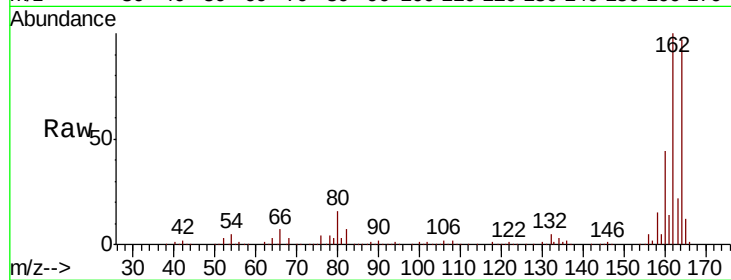
Tot Ion:164 Resp: 369196

Ion Ratio Lower Upper

164 100

162 103.3 81.3 121.9

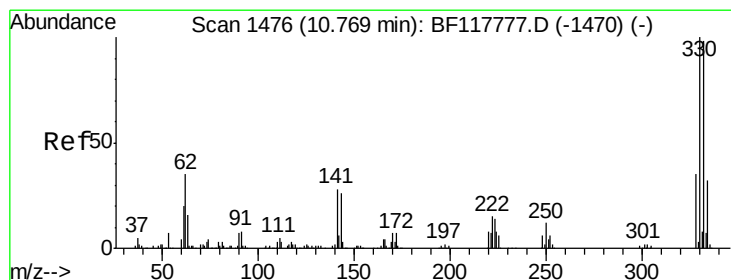
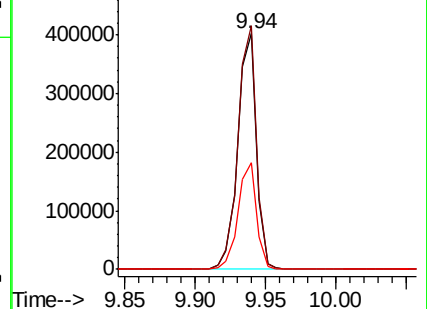
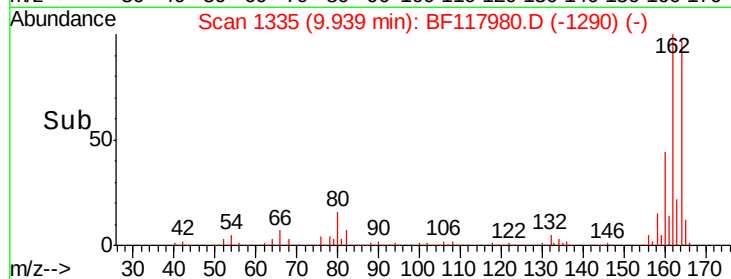
160 45.5 36.6 55.0



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: 102.395 ng

RT: 10.73 min Scan# 1470

Delta R.T. -0.04 min

Lab File: BF117980.D

Acq: 25 Nov 2019 21:55

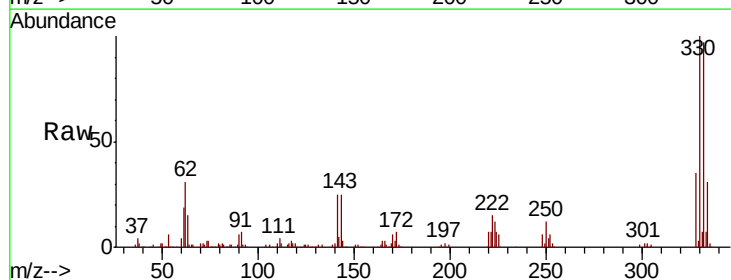
Tgt Ion:330 Resp: 400227

Ion Ratio Lower Upper

330 100

332 96.9 76.7 115.1

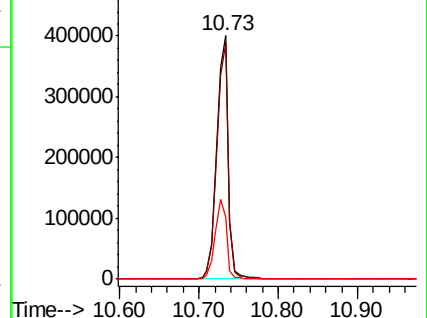
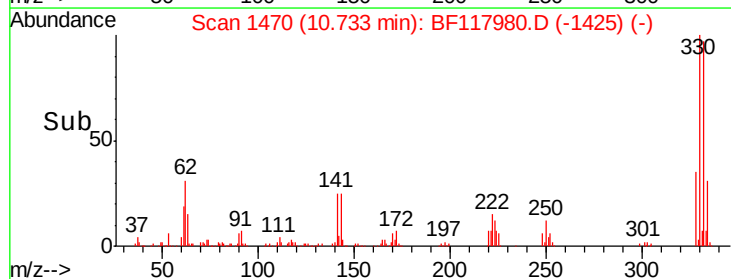
141 33.0 27.7 41.5

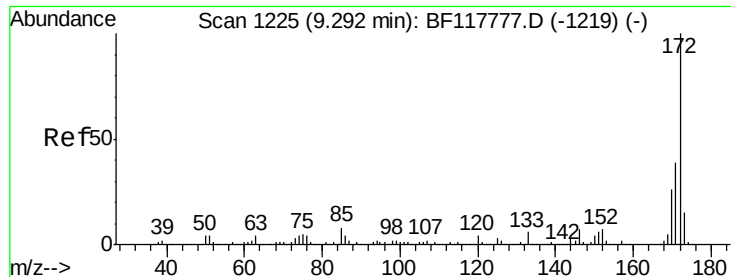


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

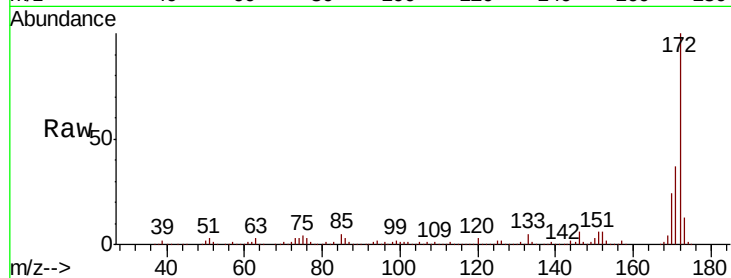




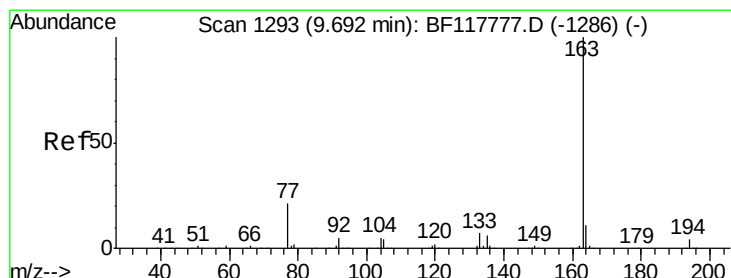
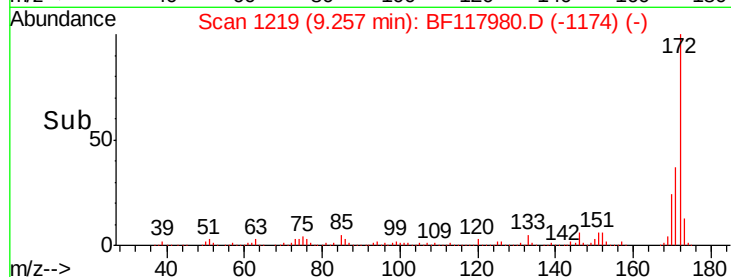
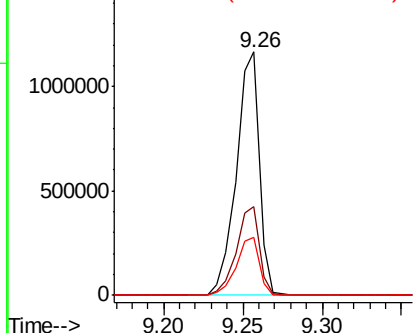
#45  
2-Fluorobiphenyl  
Concen: 56.853 ng  
RT: 9.26 min Scan# 1219  
Delta R.T. -0.04 min  
Lab File: BF117980.D  
Acq: 25 Nov 2019 21:55

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:172 Resp: 1169987  
Ion Ratio Lower Upper  
172 100  
171 36.7 30.9 46.3  
170 24.1 21.0 31.4

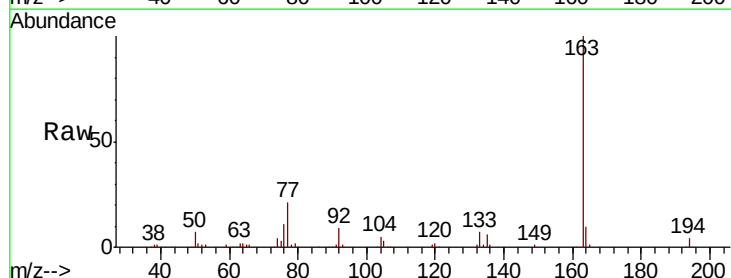


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

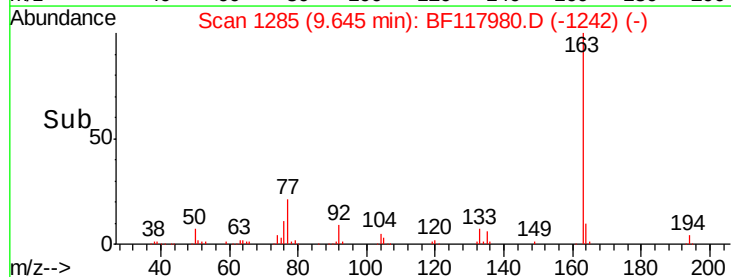
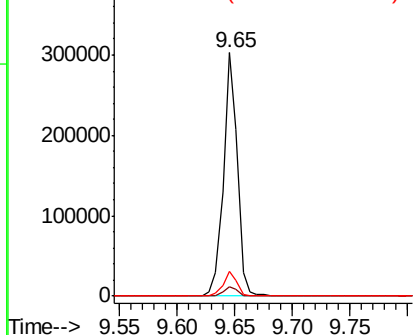


#50  
Dimethylphthalate  
Concen: 9.745 ng  
RT: 9.65 min Scan# 1285  
Delta R.T. -0.05 min  
Lab File: BF117980.D  
Acq: 25 Nov 2019 21:55

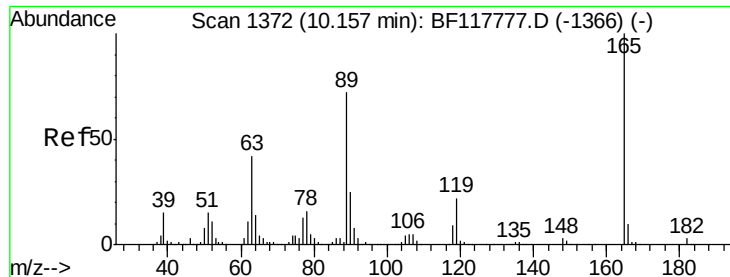
Tgt Ion:163 Resp: 252297  
Ion Ratio Lower Upper  
163 100  
194 4.0 3.3 4.9  
164 10.1 8.7 13.1



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: 6.466 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.22 min

Lab File: BF117980.D

Acq: 25 Nov 2019 21:55

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:165 Resp: 46541

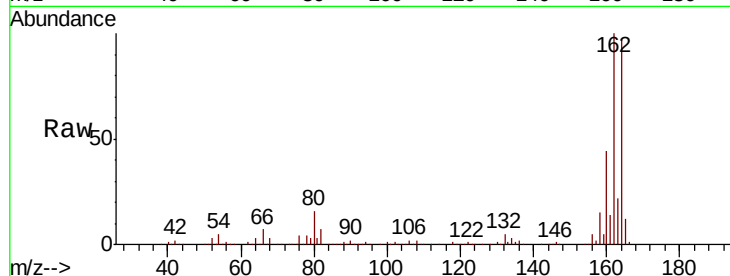
Ion Ratio Lower Upper

165 100

63 1.1 33.7 50.5#

89 1.5 57.3 85.9#

182 0.0 2.3 3.5#

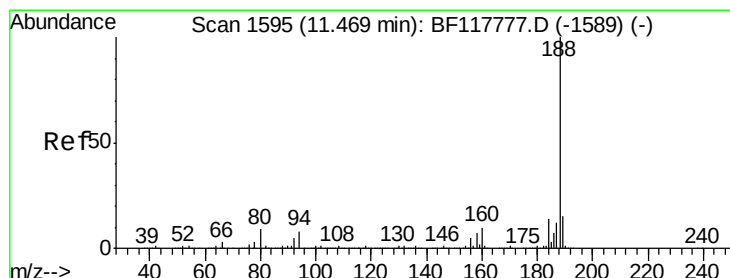
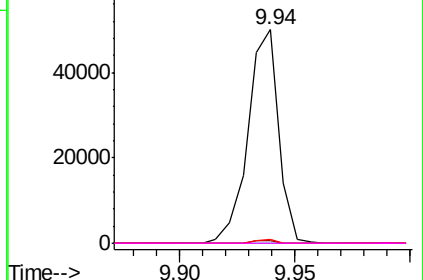
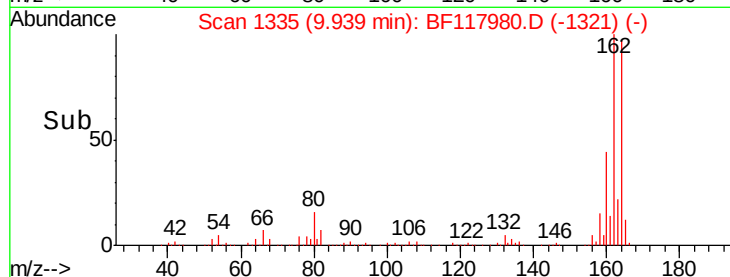


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.43 min Scan# 1588

Delta R.T. -0.04 min

Lab File: BF117980.D

Acq: 25 Nov 2019 21:55

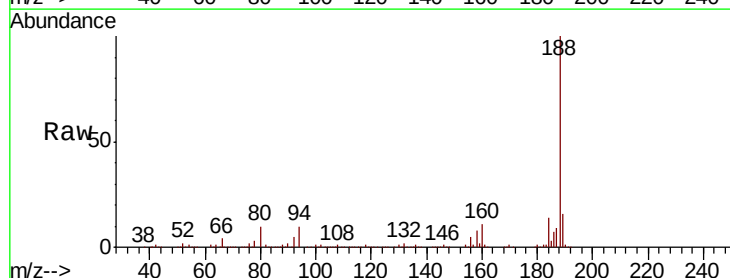
Tgt Ion:188 Resp: 719419

Ion Ratio Lower Upper

188 100

94 9.6 6.6 10.0

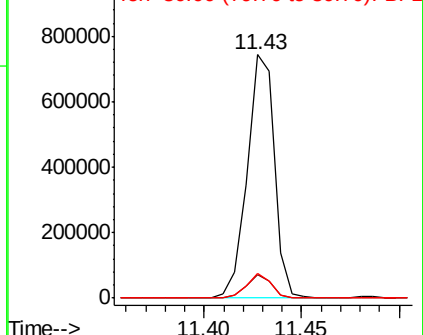
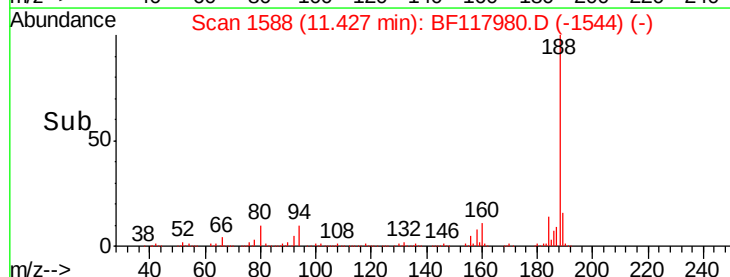
80 10.1 7.2 10.8

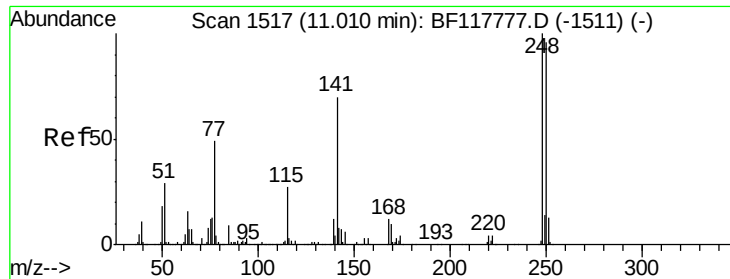


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

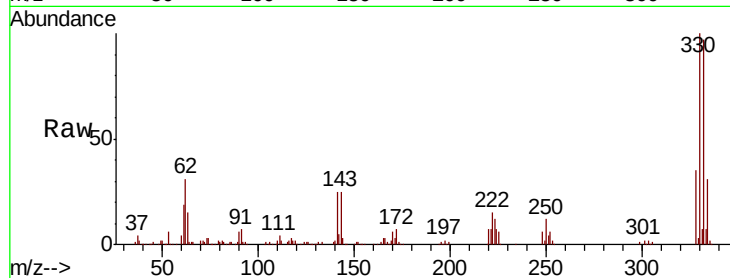




#67  
 4-Bromophenyl-phenylether  
 Concen: 3.272 ng  
 RT: 10.73 min Scan# 1470  
 Delta R.T. -0.28 min  
 Lab File: BF117980.D  
 Acq: 25 Nov 2019 21:55

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 248     | 100   |       |        |
| 250     | 195.3 | 76.6  | 115.0# |
| 141     | 420.6 | 55.9  | 83.9#  |

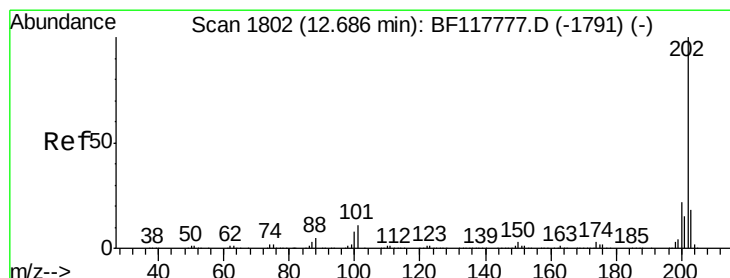
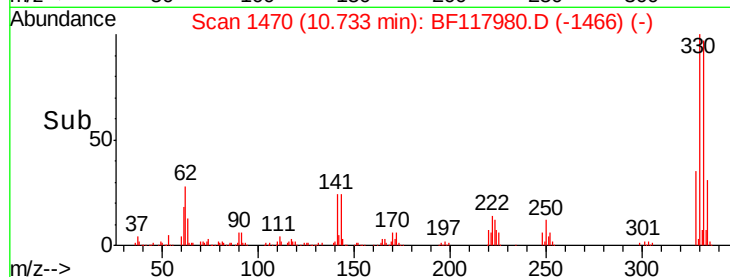
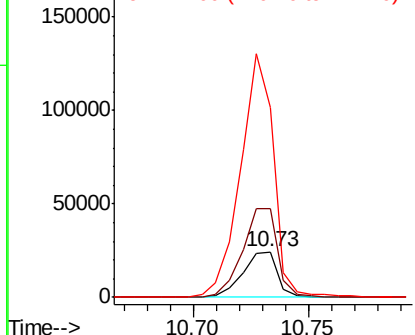


Abundance

Ion 248.00 (247.70 to 248.70): E

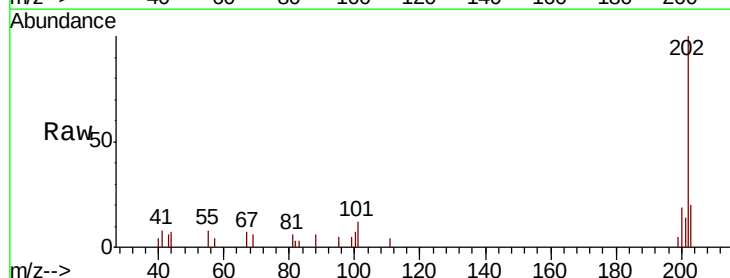
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#75  
 Fluoranthene  
 Concen: Below Cal  
 RT: 12.64 min Scan# 1795  
 Delta R.T. -0.04 min  
 Lab File: BF117980.D  
 Acq: 25 Nov 2019 21:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 12.1  | 0.0   | 31.1  |
| 203     | 20.3  | 0.0   | 38.2  |

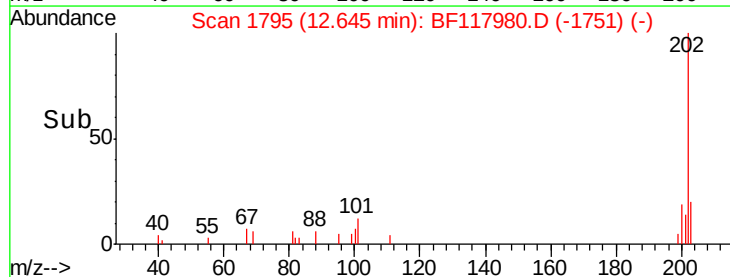
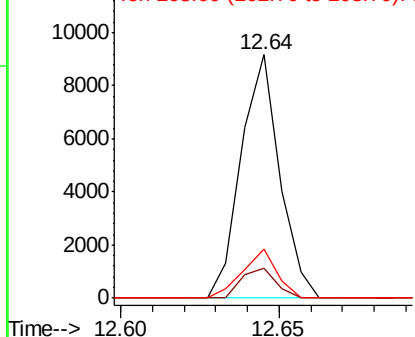


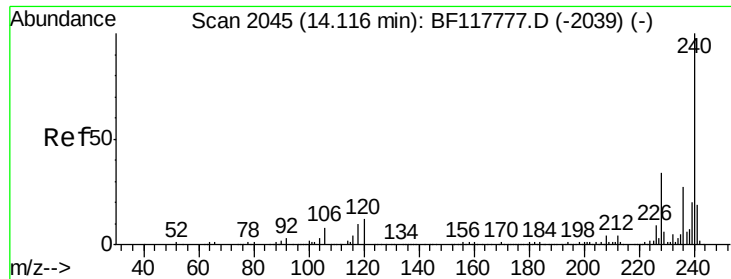
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

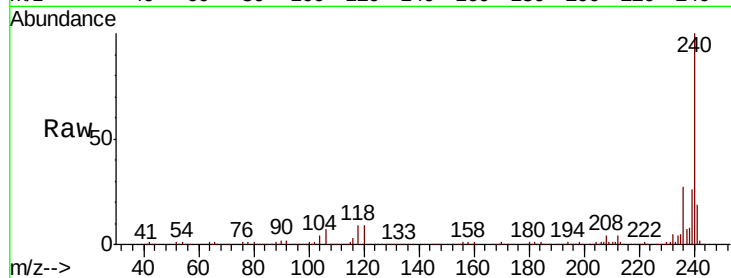




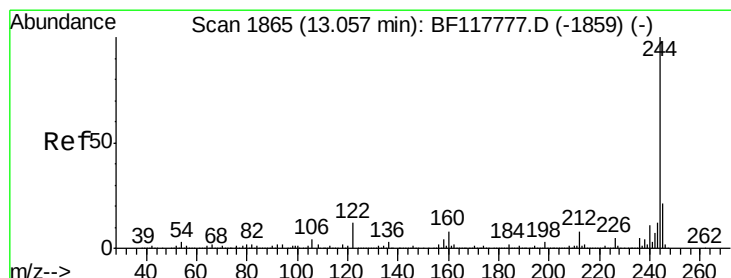
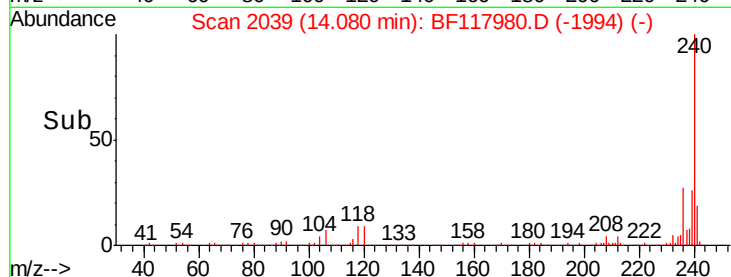
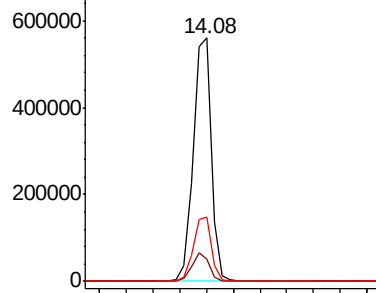
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.08 min Scan# 2039  
Delta R.T. -0.04 min  
Lab File: BF117980.D  
Acq: 25 Nov 2019 21:55

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:240 Resp: 537053  
Ion Ratio Lower Upper  
240 100  
120 9.2 9.5 14.3#  
236 26.6 21.3 31.9

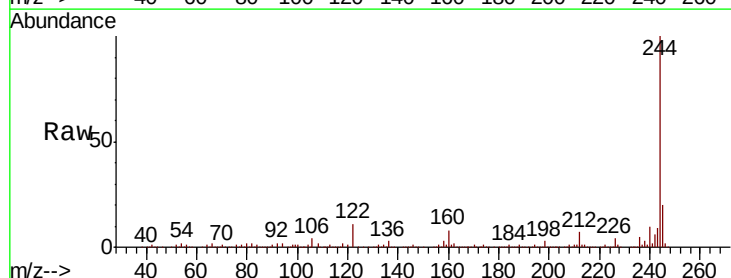


Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

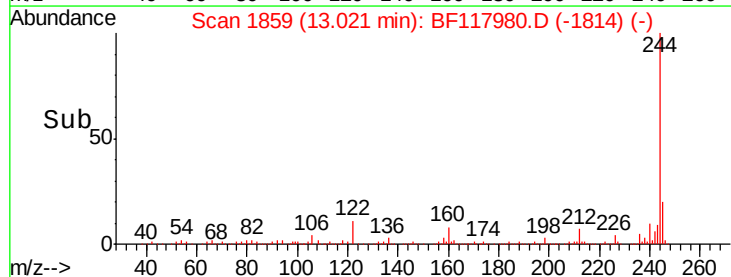
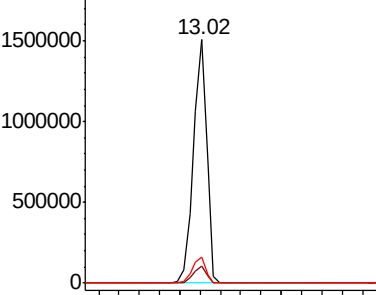


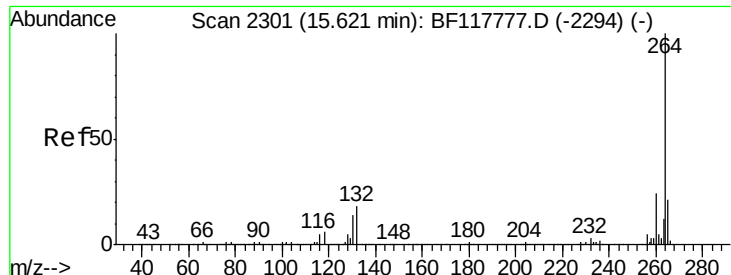
#79  
Terphenyl-d14  
Concen: 46.733 ng  
RT: 13.02 min Scan# 1859  
Delta R.T. -0.04 min  
Lab File: BF117980.D  
Acq: 25 Nov 2019 21:55

Tgt Ion:244 Resp: 1373286  
Ion Ratio Lower Upper  
244 100  
212 7.1 6.3 9.5  
122 10.7 9.4 14.2



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

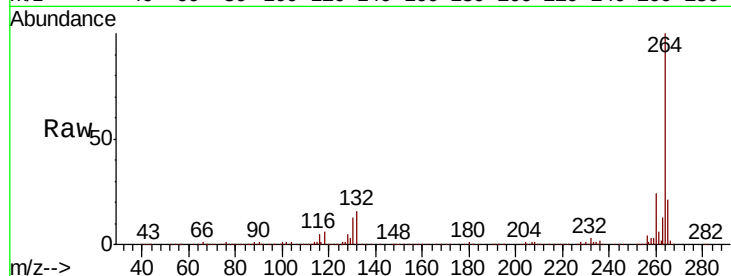




#87  
 Pervlone-d12  
 Concen: 20.000 ng  
 RT: 15.57 min Scan# 2293  
 Delta R.T. -0.05 min  
 Lab File: BF117980.D  
 Acq: 25 Nov 2019 21:55

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.9  | 19.4  | 29.0  |
| 265     | 21.2  | 17.1  | 25.7  |



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

