

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF041320\  
 Data File : BF119951.D  
 Acq On : 14 Apr 2020 14:25  
 Operator : MA/SJ  
 Sample : L2205-08  
 Misc :  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JC-02-04082020-A

Quant Time: Apr 14 15:11:55 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 14 12:44:44 2020  
 Response via : Initial Calibration

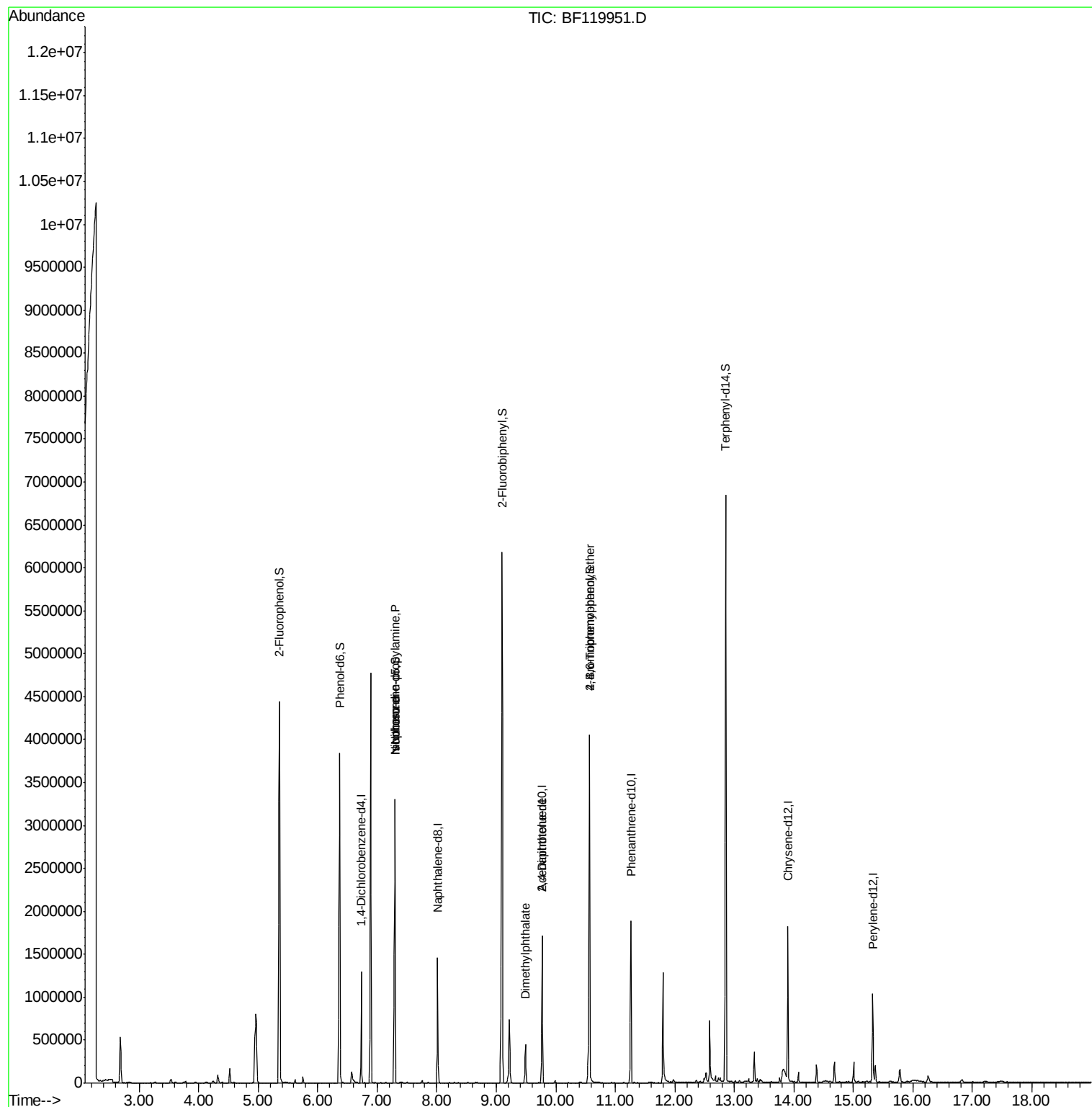
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min)   |
|--------------------------------|-------|------|----------|-----------|-------|------------|
| 1) 1,4-Dichlorobenzene-d4      | 6.73  | 152  | 184139   | 20.00     | ng    | 0.00       |
| 21) Naphthalene-d8             | 8.02  | 136  | 717969   | 20.00     | ng    | -0.01      |
| 39) Acenaphthene-d10           | 9.77  | 164  | 379481   | 20.00     | ng    | 0.00       |
| 64) Phenanthrene-d10           | 11.26 | 188  | 762673   | 20.00     | ng    | 0.00       |
| 76) Chrysene-d12               | 13.90 | 240  | 593201   | 20.00     | ng    | -0.01      |
| 87) Perylene-d12               | 15.33 | 264  | 469505   | 20.00     | ng    | 0.00       |
| System Monitoring Compounds    |       |      |          |           |       |            |
| 5) 2-Fluorophenol              | 5.36  | 112  | 1471631  | 138.12    | ng    | 0.02       |
| 7) Phenol-d6                   | 6.37  | 99   | 1679644  | 122.34    | ng    | 0.00       |
| 23) Nitrobenzene-d5            | 7.30  | 82   | 1297049  | 93.46     | ng    | -0.01      |
| 42) 2,4,6-Tribromophenol       | 10.57 | 330  | 570759   | 122.85    | ng    | 0.00       |
| 45) 2-Fluorobiphenyl           | 9.10  | 172  | 2426787  | 90.80     | ng    | 0.00       |
| 79) Terphenyl-d14              | 12.86 | 244  | 2843925  | 80.67     | ng    | 0.00       |
| Target Compounds               |       |      |          |           |       |            |
| 9) Benzaldehyde                | 6.37  | 77   | 2130     | Below Cal |       | Qvalue # 1 |
| 19) n-Nitroso-di-n-propylamine | 7.30  | 70   | 169589   | 19.209    | ng    | # 73       |
| 25) Isophorone                 | 7.30  | 82   | 1293297  | 48.342    | ng    | # 65       |
| 50) Dimethylphthalate          | 9.49  | 163  | 184024   | 6.269     | ng    | # 98       |
| 57) 2,4-Dinitrotoluene         | 9.77  | 165  | 49604    | 5.857     | ng    | # 22       |
| 67) 4-Bromophenyl-phenylether  | 10.57 | 248  | 35988    | 3.794     | ng    | # 1        |

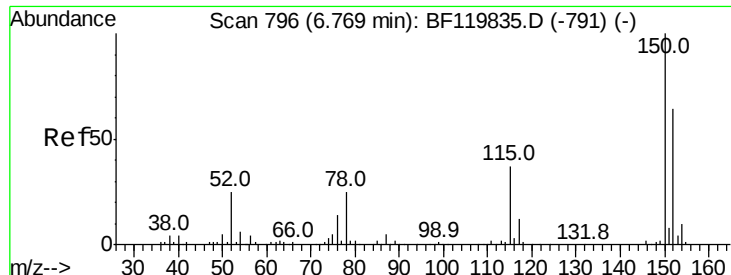
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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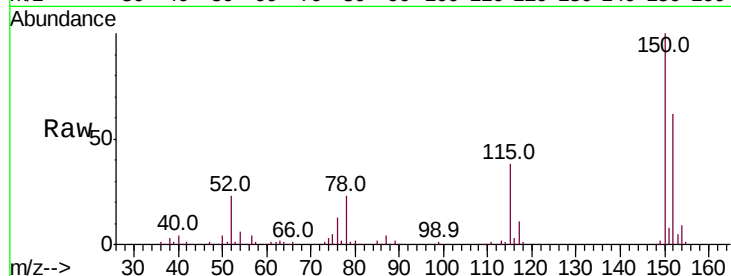


#1

1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.73 min Scan# 790  
 Delta R.T. -0.01 min  
 Lab File: BF119951.D  
 Acq: 14 Apr 2020 14:25

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JC-02-04082020-A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 161.9 | 124.8 | 187.2 |
| 115     | 60.9  | 46.5  | 69.7  |

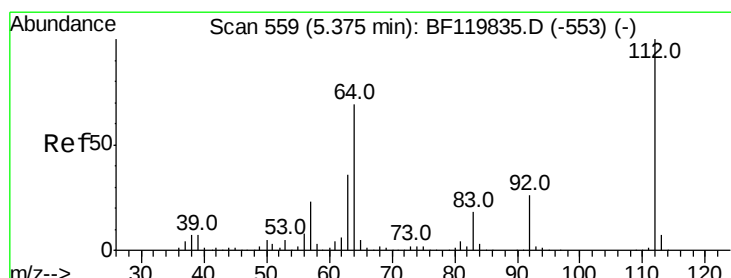
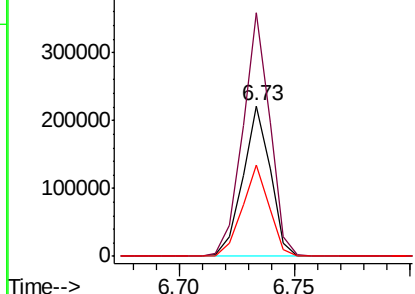
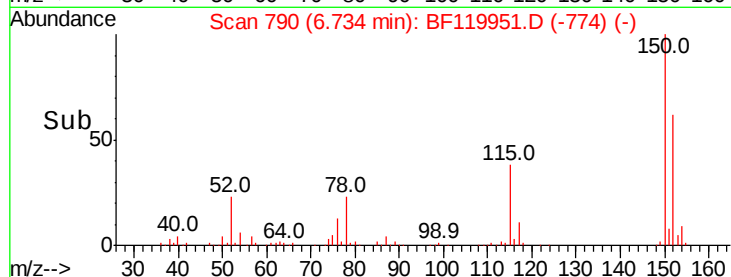


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

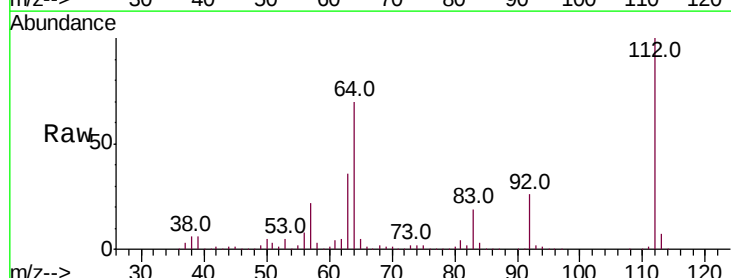
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
 Concen: 138.116 ng  
 RT: 5.36 min Scan# 556  
 Delta R.T. 0.02 min  
 Lab File: BF119951.D  
 Acq: 14 Apr 2020 14:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 70.1  | 55.5  | 83.3  |
| 63      | 35.6  | 29.1  | 43.7  |

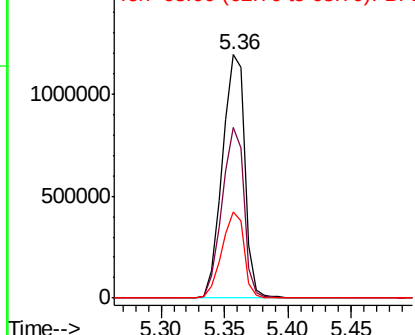
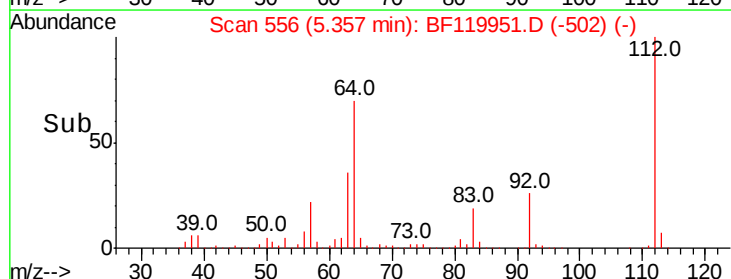


Abundance

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: 122.338 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF119951.D

Acq: 14 Apr 2020 14:25

Instrument :

BNA\_F

ClientSampleId :

JC-02-04082020-A

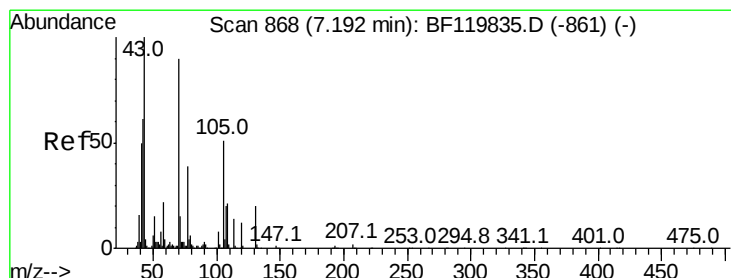
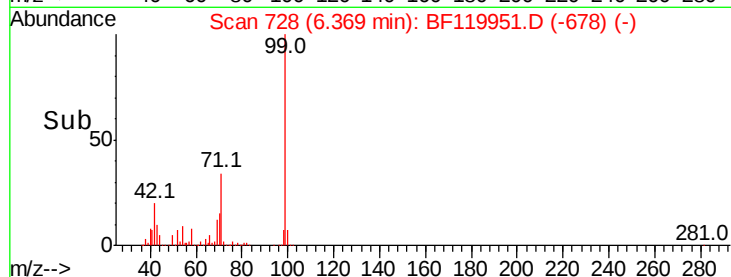
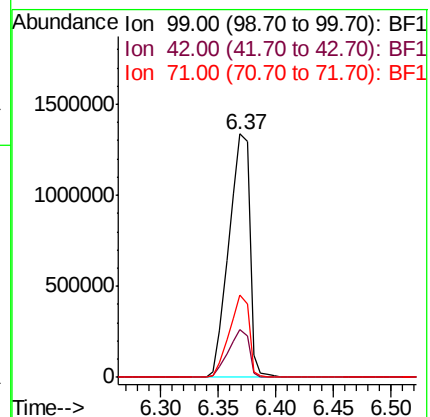
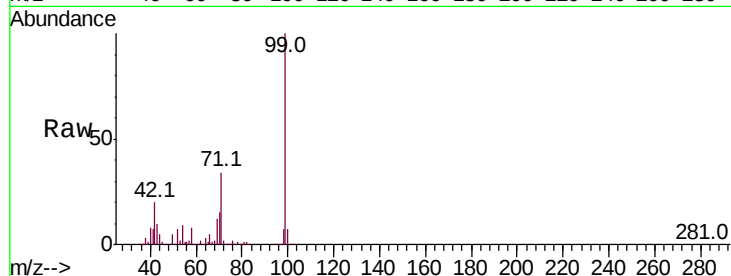
Tot Ion: 99 Resp: 1679644

Ion Ratio Lower Upper

99 100

42 19.7 16.9 25.3

71 33.7 26.3 39.5



#19

n-Nitroso-di-n-propylamine

Concen: 19.209 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.14 min

Lab File: BF119951.D

Acq: 14 Apr 2020 14:25

Tgt Ion: 70 Resp: 169589

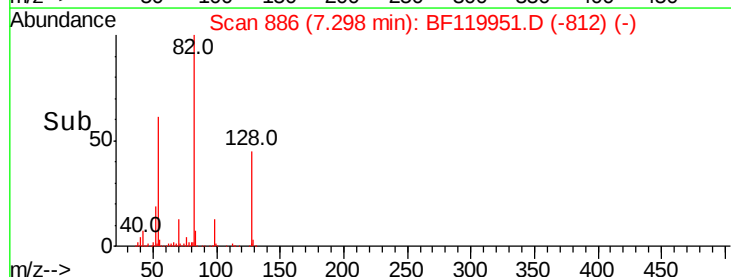
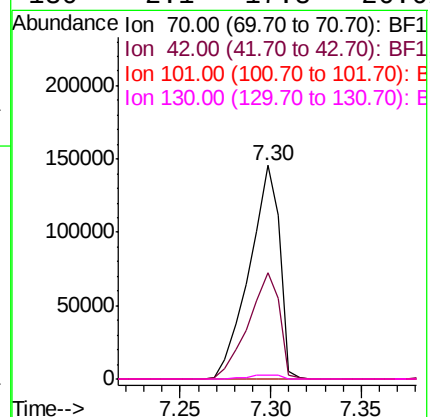
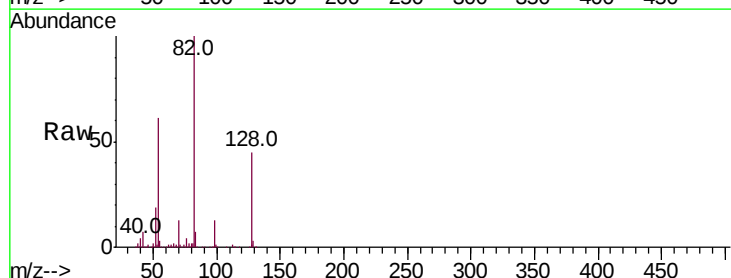
Ion Ratio Lower Upper

70 100

42 49.9 54.2 81.4#

101 0.0 7.4 11.2#

130 2.1 17.8 26.6#

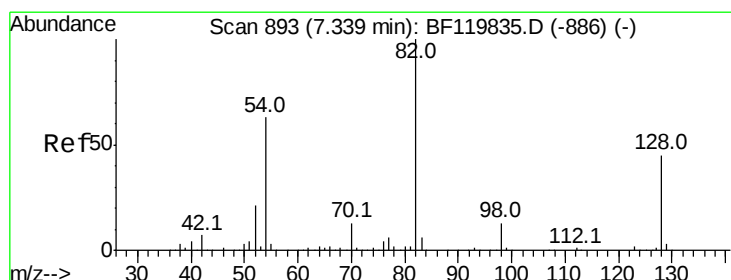
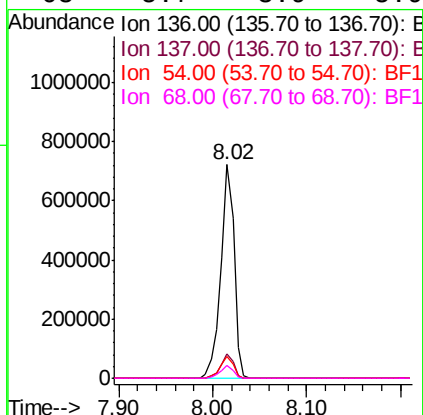
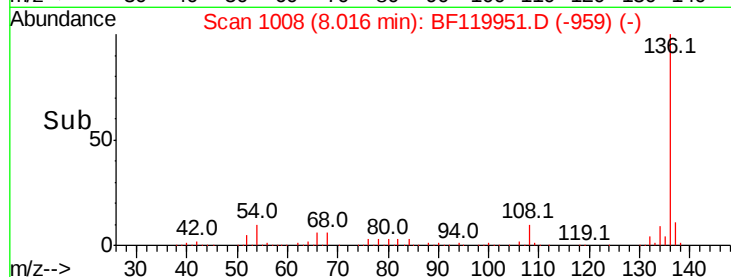
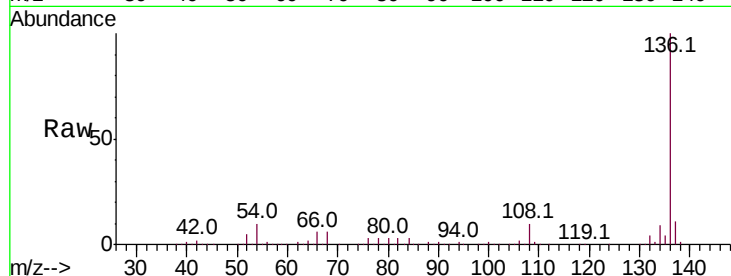




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.02 min Scan# 1008  
Delta R.T. -0.01 min  
Lab File: BF119951.D  
Acq: 14 Apr 2020 14:25

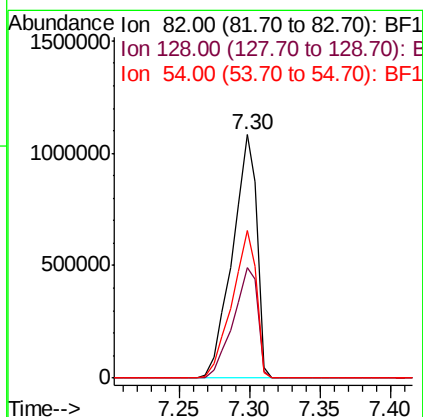
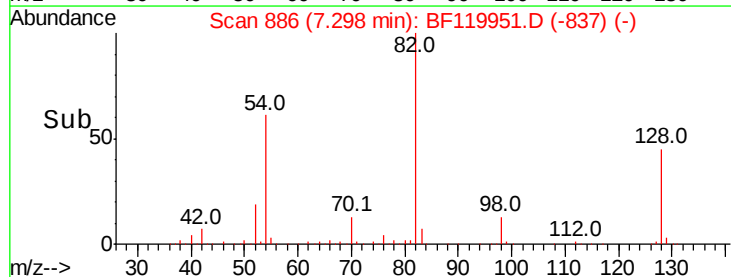
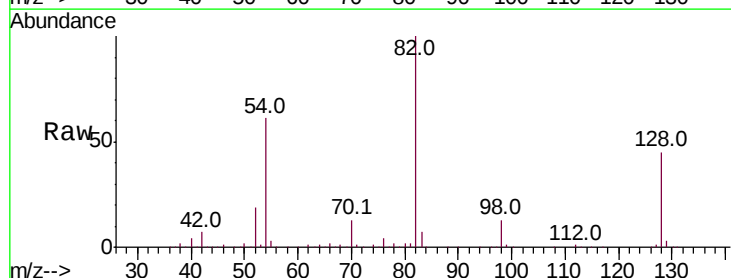
Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-04082020-A

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 717969 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.1  | 8.7   | 13.1   |
| 54       | 10.0  | 8.5   | 12.7   |
| 68       | 5.7   | 3.9   | 5.9    |



#23  
Nitrobenzene-d5  
Concen: 93.459 ng  
RT: 7.30 min Scan# 886  
Delta R.T. -0.01 min  
Lab File: BF119951.D  
Acq: 14 Apr 2020 14:25

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 82    | Resp: | 1297049 |
| Ion      | Ratio | Lower | Upper   |
| 82       | 100   |       |         |
| 128      | 45.3  | 36.2  | 54.4    |
| 54       | 60.5  | 50.4  | 75.6    |





#25

Isophorone

Concen: 48.342 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.27 min

Lab File: BF119951.D

Acq: 14 Apr 2020 14:25

Instrument :

BNA\_F

ClientSampleId :

JC-02-04082020-A

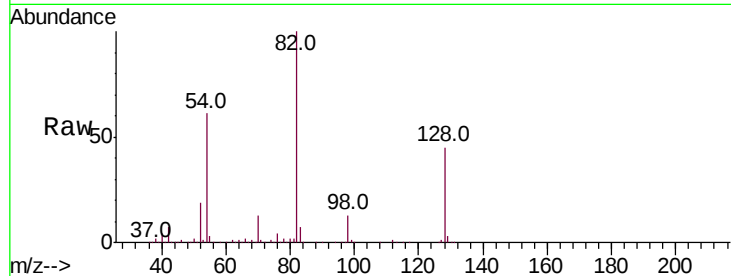
Tot Ion: 82 Resp: 1293297

Ion Ratio Lower Upper

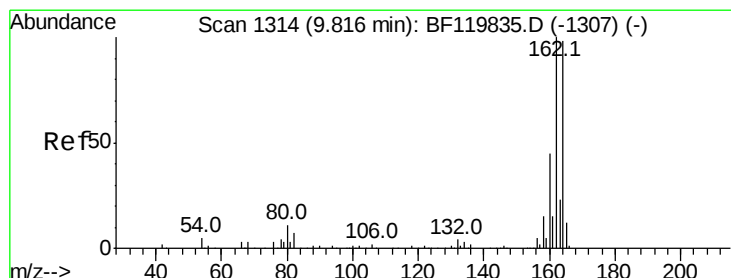
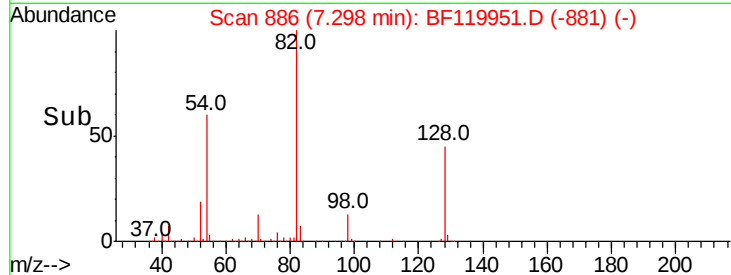
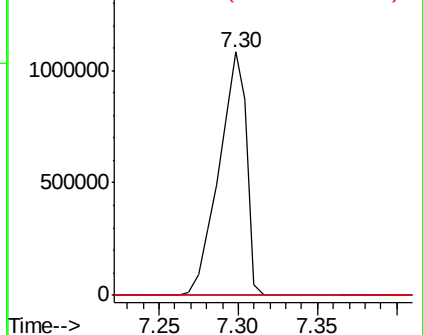
82 100

95 0.0 5.8 8.6#

138 0.0 14.5 21.7#



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: 9.77 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF119951.D

Acq: 14 Apr 2020 14:25

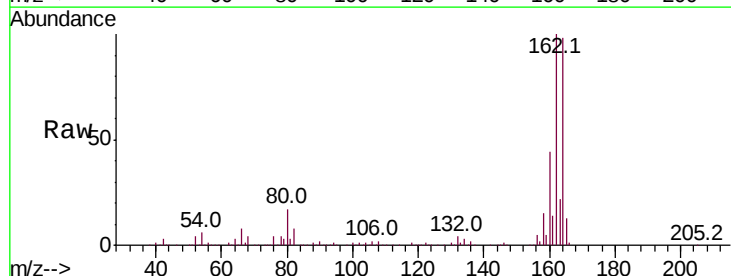
Tgt Ion:164 Resp: 379481

Ion Ratio Lower Upper

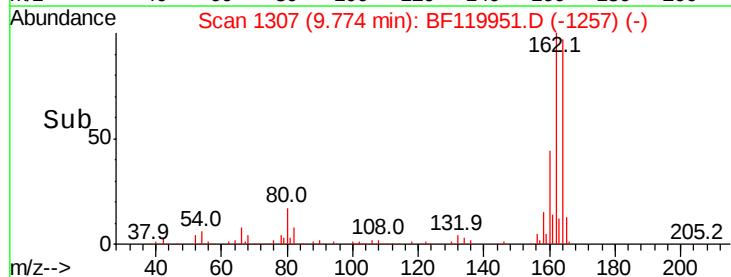
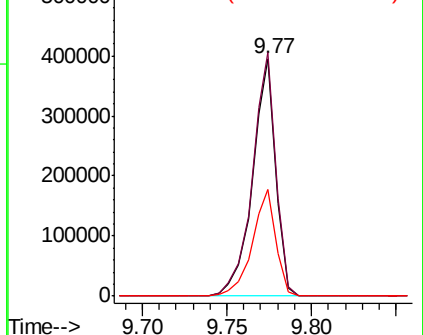
164 100

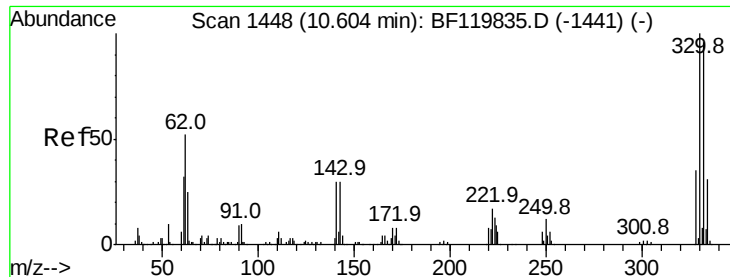
162 102.4 81.9 122.9

160 45.1 36.6 54.8



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

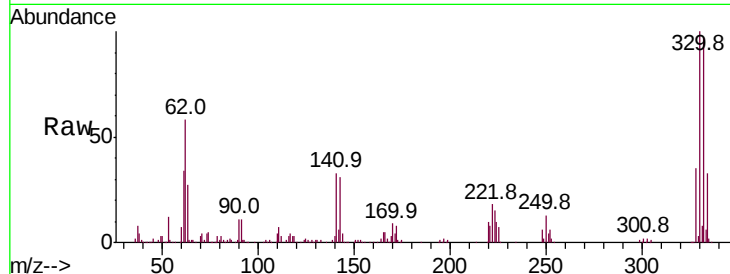




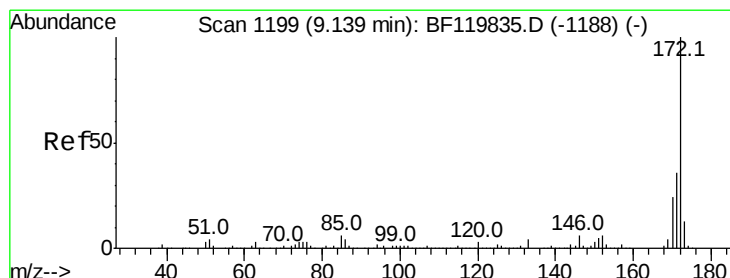
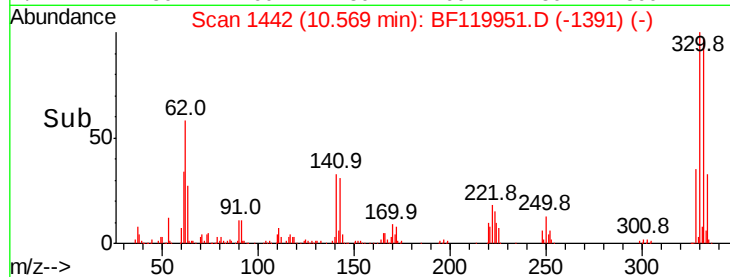
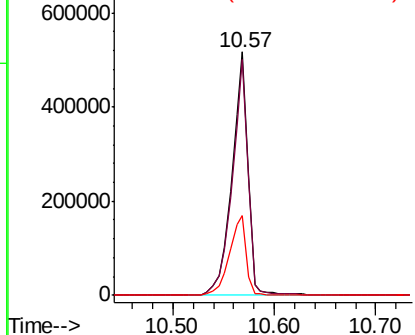
#42  
 2,4,6-Tribromophenol  
 Concen: 122.846 ng  
 RT: 10.57 min Scan# 1442  
 Delta R.T. -0.00 min  
 Lab File: BF119951.D  
 Acq: 14 Apr 2020 14:25

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JC-02-04082020-A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.1  | 76.8  | 115.2 |
| 141     | 34.4  | 25.1  | 37.7  |

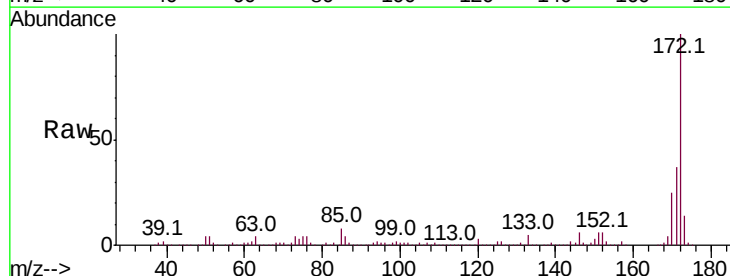


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

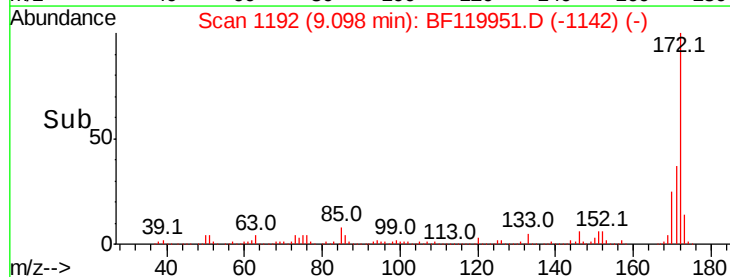
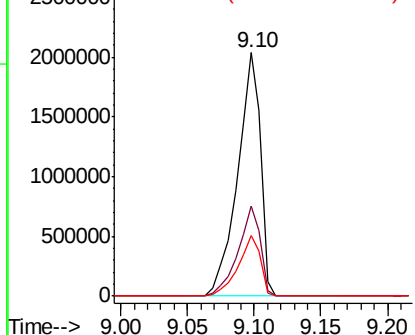


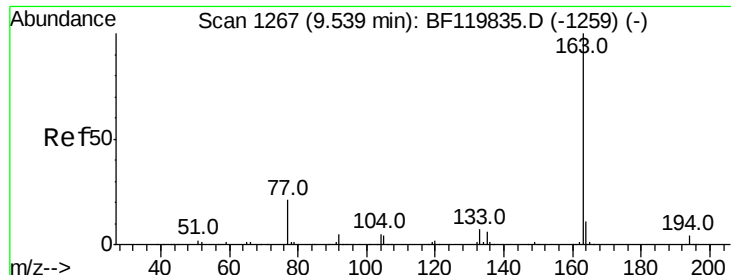
#45  
 2-Fluorobiphenyl  
 Concen: 90.795 ng  
 RT: 9.10 min Scan# 1192  
 Delta R.T. -0.01 min  
 Lab File: BF119951.D  
 Acq: 14 Apr 2020 14:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.0  | 28.9  | 43.3  |
| 170     | 24.7  | 19.4  | 29.2  |



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

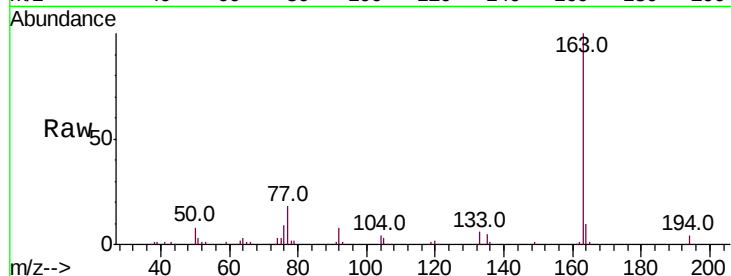




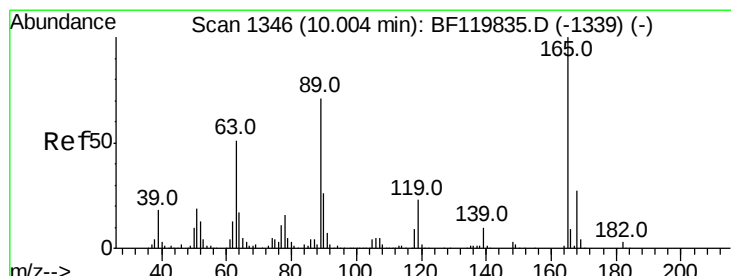
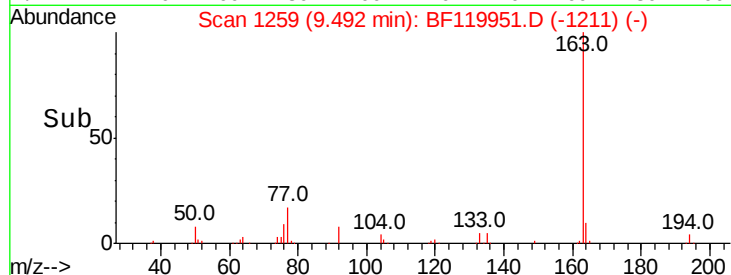
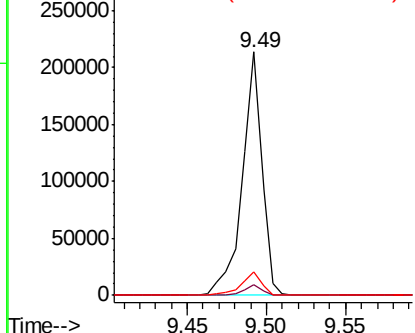
#50  
Dimethylphthalate  
Concen: 6.269 ng  
RT: 9.49 min Scan# 1259  
Delta R.T. -0.02 min  
Lab File: BF119951.D  
Acq: 14 Apr 2020 14:25

Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-04082020-A

Tot Ion:163 Resp: 184024  
Ion Ratio Lower Upper  
163 100  
194 4.4 3.0 4.4  
164 9.5 8.4 12.6

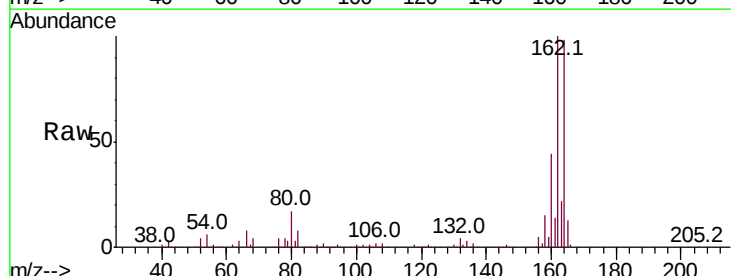


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

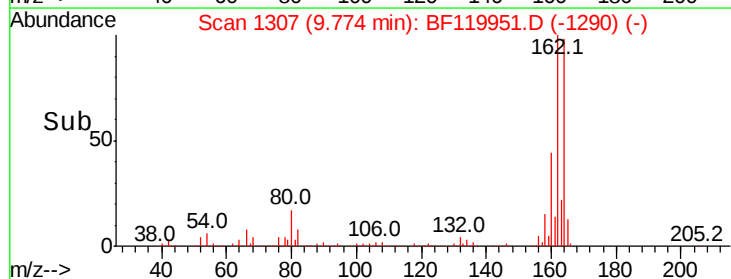
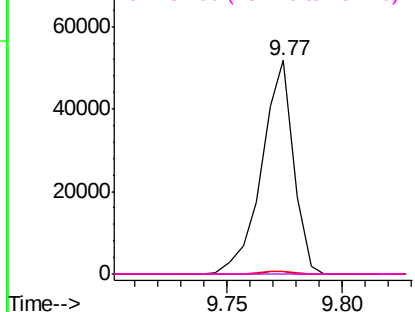


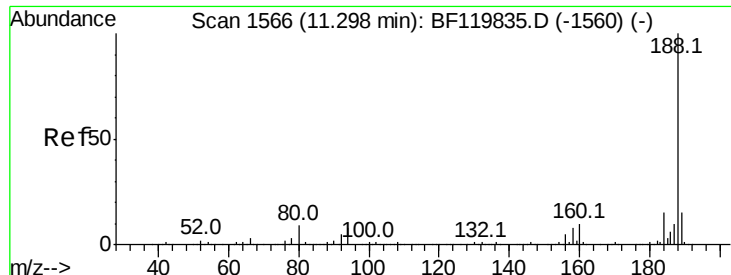
#57  
2,4-Dinitrotoluene  
Concen: 5.857 ng  
RT: 9.77 min Scan# 1307  
Delta R.T. -0.20 min  
Lab File: BF119951.D  
Acq: 14 Apr 2020 14:25

Tgt Ion:165 Resp: 49604  
Ion Ratio Lower Upper  
165 100  
63 1.2 40.8 61.2#  
89 1.2 56.9 85.3#  
182 0.0 2.0 3.0#



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  
Ion 182.00 (181.70 to 182.70): E

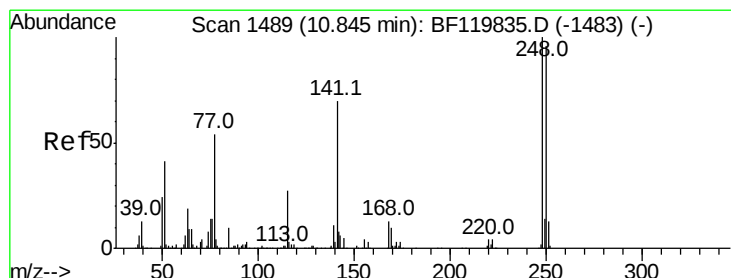
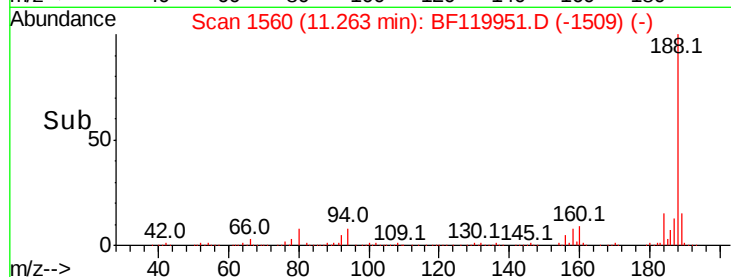
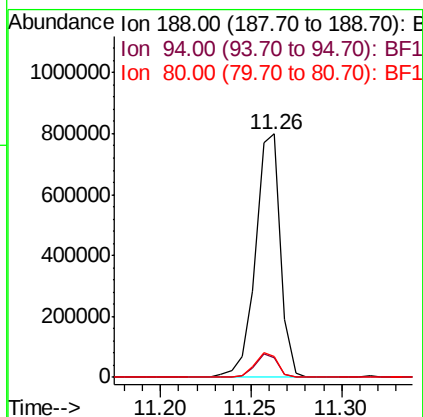
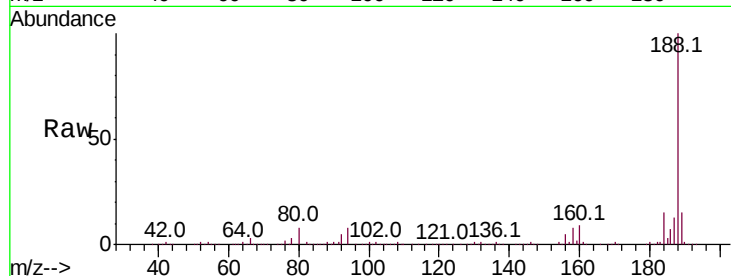




#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.26 min Scan# 1560  
 Delta R.T. -0.00 min  
 Lab File: BF119951.D  
 Acq: 14 Apr 2020 14:25

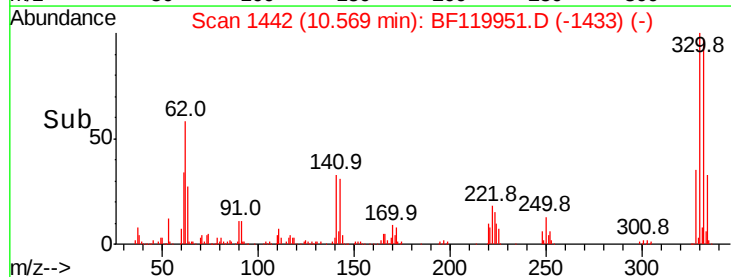
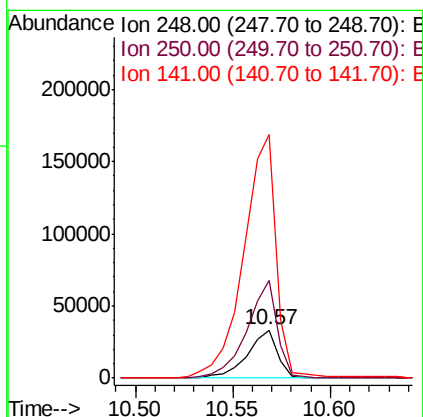
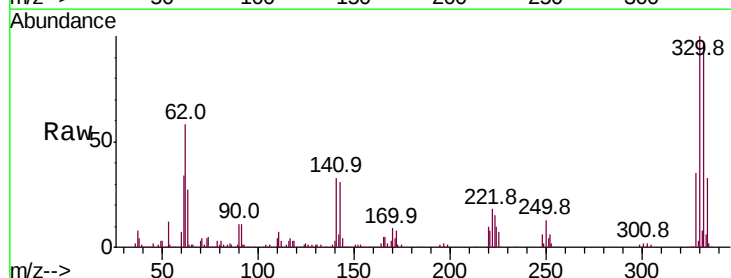
Instrument :  
 BNA\_F  
 ClientSampleId :  
 JC-02-04082020-A

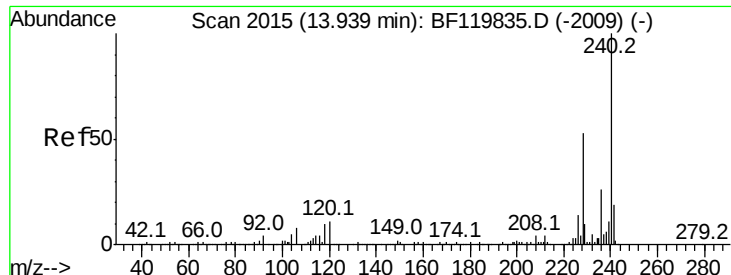
Tot Ion:188 Resp: 762673  
 Ion Ratio Lower Upper  
 188 100  
 94 8.1 6.7 10.1  
 80 8.5 7.4 11.2



#67  
 4-Bromophenyl-phenylether  
 Concen: 3.794 ng  
 RT: 10.57 min Scan# 1442  
 Delta R.T. -0.25 min  
 Lab File: BF119951.D  
 Acq: 14 Apr 2020 14:25

Tgt Ion:248 Resp: 35988  
 Ion Ratio Lower Upper  
 248 100  
 250 204.2 76.6 114.8#  
 141 509.1 55.9 83.9#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF119951.D

Acq: 14 Apr 2020 14:25

Instrument :

BNA\_F

ClientSampleId :

JC-02-04082020-A

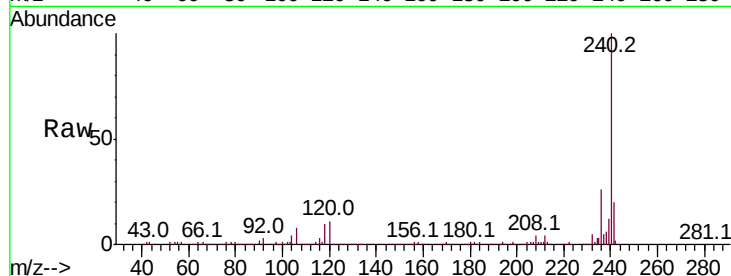
Tot Ion:240 Resp: 593201

Ion Ratio Lower Upper

240 100

120 11.1 9.0 13.6

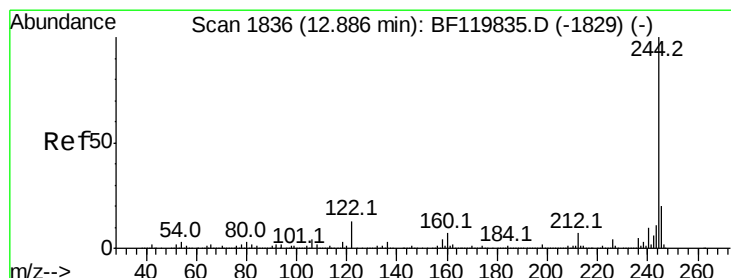
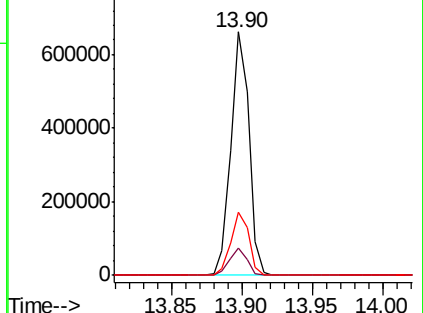
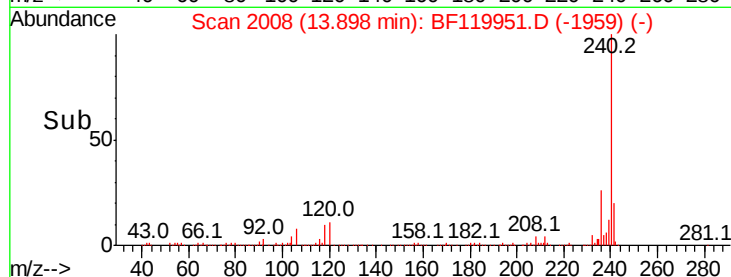
236 26.2 20.7 31.1



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



#79

Terphenyl-d14

Concen: 80.670 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.00 min

Lab File: BF119951.D

Acq: 14 Apr 2020 14:25

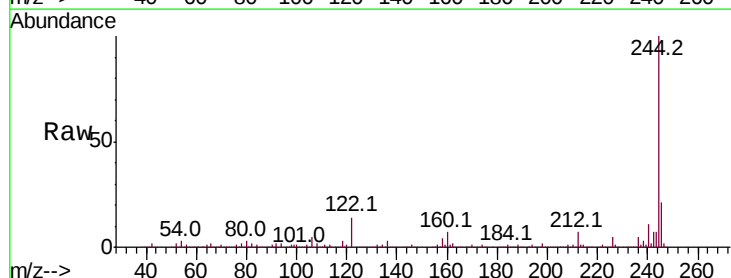
Tgt Ion:244 Resp: 2843925

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

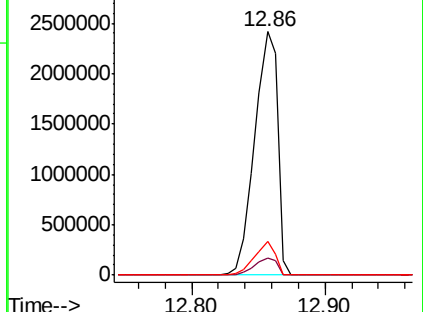
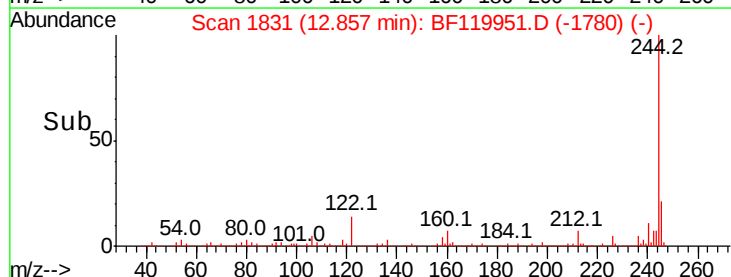
122 14.1 10.3 15.5

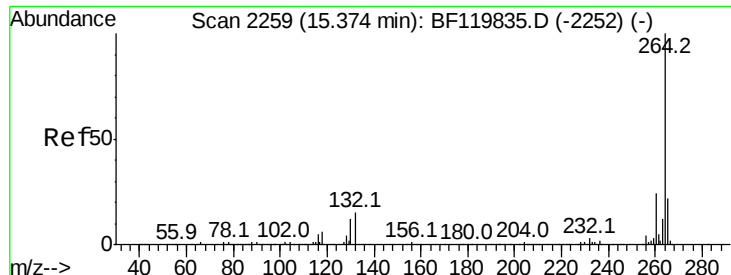


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

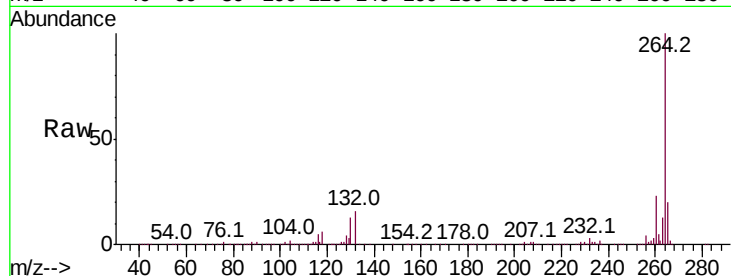




#87  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.33 min Scan# 2251  
 Delta R.T. -0.01 min  
 Lab File: BF119951.D  
 Acq: 14 Apr 2020 14:25

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JC-02-04082020-A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.4  | 19.3  | 28.9  |
| 265     | 20.3  | 17.6  | 26.4  |



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

