

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022120\  
 Data File : BF119005.D  
 Acq On : 21 Feb 2020 21:15  
 Operator : CG/JU  
 Sample : L1631-11  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Feb 24 02:22:31 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Feb 20 17:40:17 2020  
 Response via : Initial Calibration

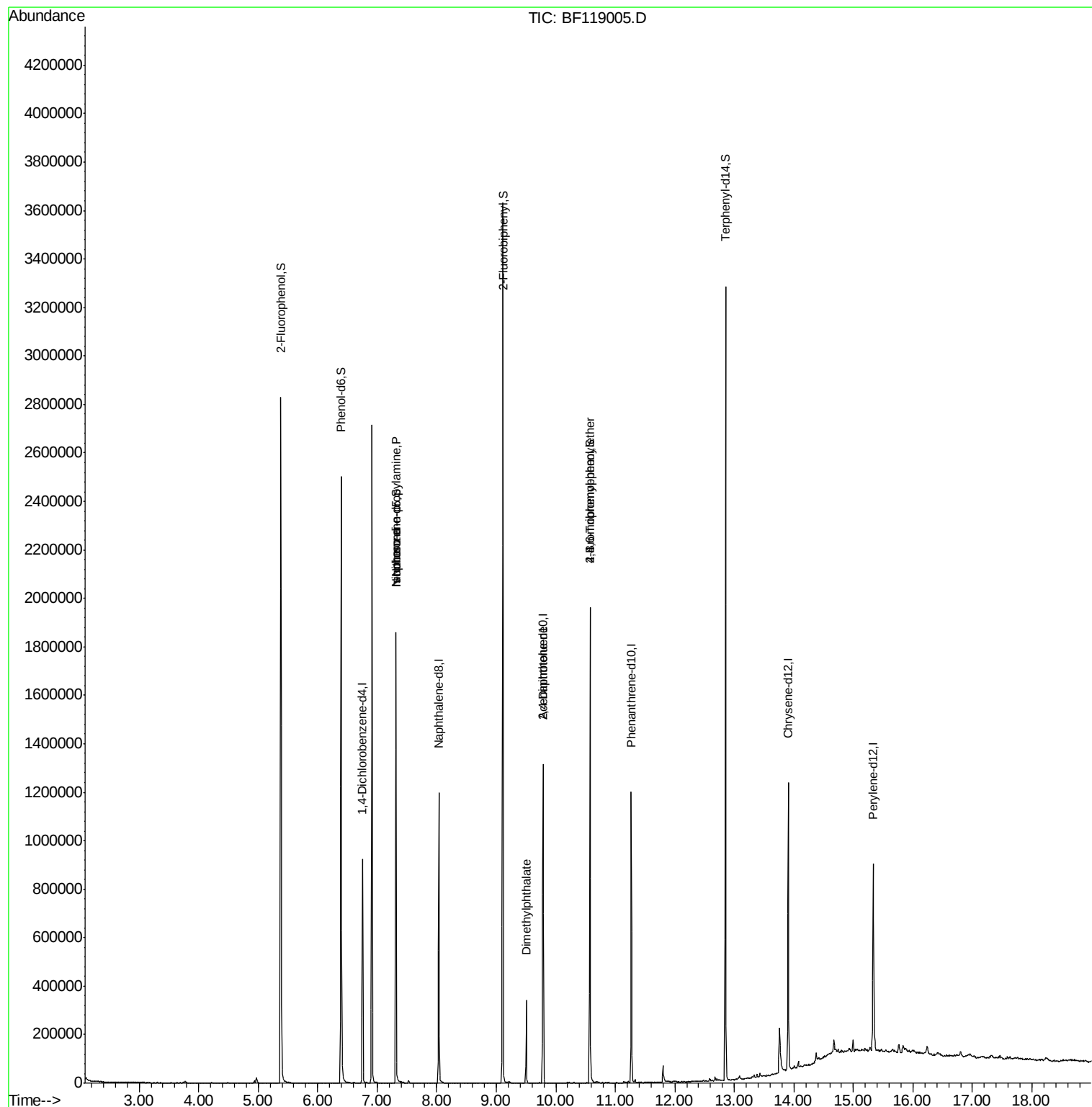
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.76  | 152  | 158126   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.03  | 136  | 558472   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10           | 9.79  | 164  | 257310   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.27 | 188  | 432569   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 13.90 | 240  | 380336   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 15.33 | 264  | 346889   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.38  | 112  | 836129   | 88.37  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.40  | 99   | 975591   | 84.78  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.32  | 82   | 622416   | 58.85  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol       | 10.57 | 330  | 253503   | 75.31  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.11  | 172  | 1094066  | 62.64  | ng    | -0.01    |
| 79) Terphenyl-d14              | 12.85 | 244  | 1146983  | 51.92  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.32  | 70   | 84761    | 12.641 | ng    | # 76     |
| 25) Isophorone                 | 7.32  | 82   | 622411   | 33.883 | ng    | # 63     |
| 50) Dimethylphthalate          | 9.50  | 163  | 146334   | 7.437  | ng    | 100      |
| 57) 2,4-Dinitrotoluene         | 9.79  | 165  | 33014    | 5.826  | ng    | # 28     |
| 67) 4-Bromophenyl-phenylether  | 10.57 | 248  | 16498    | 2.918  | ng    | # 1      |

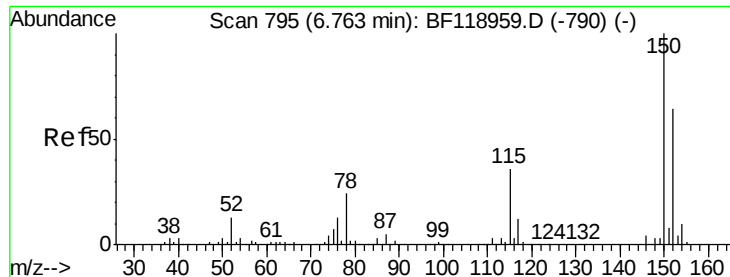
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022120\  
Data File : BF119005.D  
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Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

Quant Time: Feb 24 02:22:31 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Feb 20 17:40:17 2020  
Response via : Initial Calibration



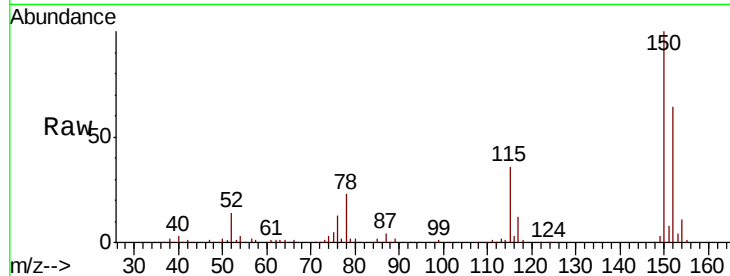


#1

1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.76 min Scan# 794  
 Delta R.T. -0.01 min  
 Lab File: BF119005.D  
 Acq: 21 Feb 2020 21:15

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.1 | 124.3 | 186.5 |
| 115     | 57.3  | 44.6  | 67.0  |

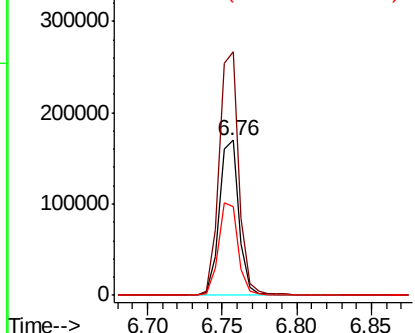
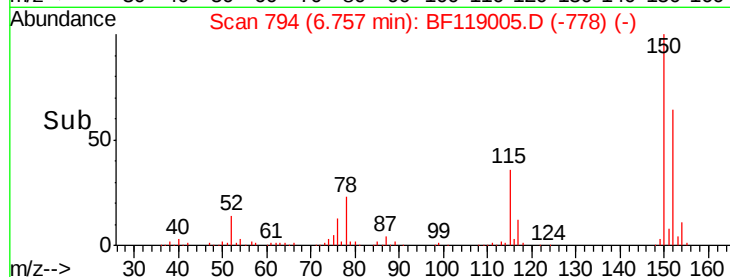


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

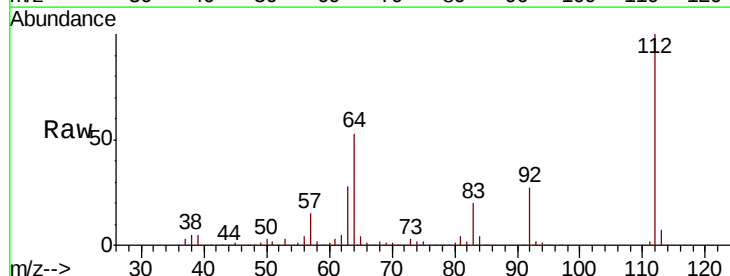
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
 Concen: 88.368 ng  
 RT: 5.38 min Scan# 560  
 Delta R.T. -0.00 min  
 Lab File: BF119005.D  
 Acq: 21 Feb 2020 21:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 53.1  | 40.4  | 60.6  |
| 63      | 28.0  | 21.3  | 31.9  |

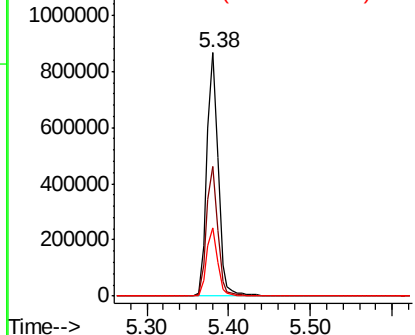
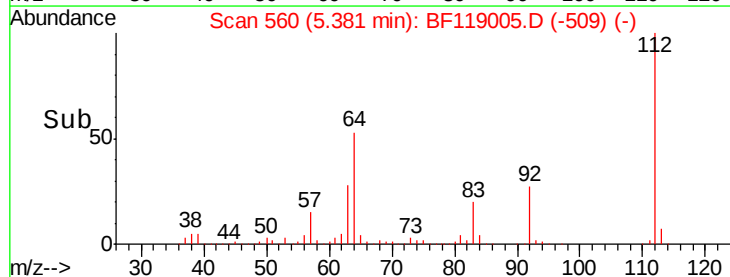


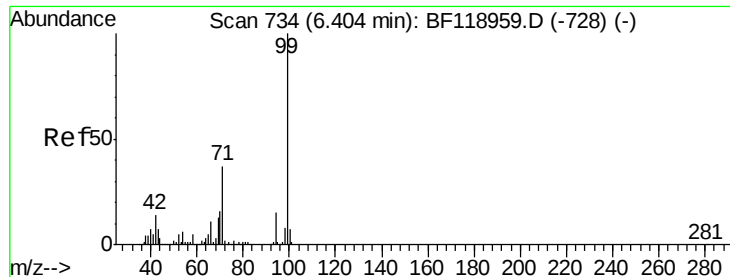
Abundance

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: 84.779 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF119005.D

Acq: 21 Feb 2020 21:15

Instrument :

BNA\_F

ClientSampleId :

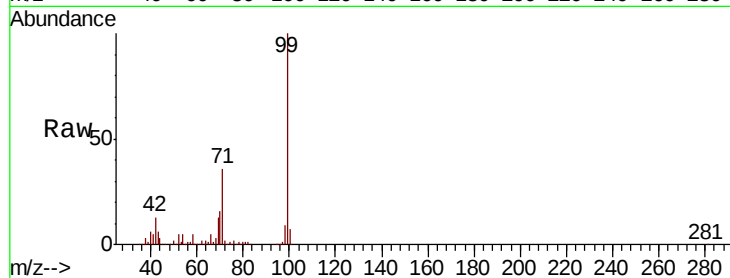
Tot Ion: 99 Resp: 975591

Ion Ratio Lower Upper

99 100

42 13.3 11.4 17.0

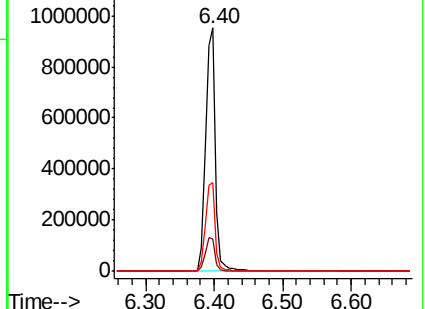
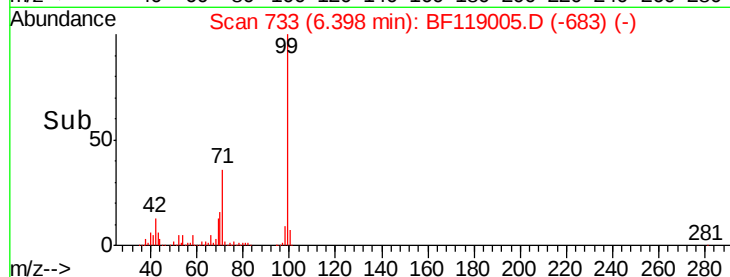
71 36.3 29.8 44.6



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: 12.641 ng

RT: 7.32 min Scan# 889

Delta R.T. 0.14 min

Lab File: BF119005.D

Acq: 21 Feb 2020 21:15

Tgt Ion: 70 Resp: 84761

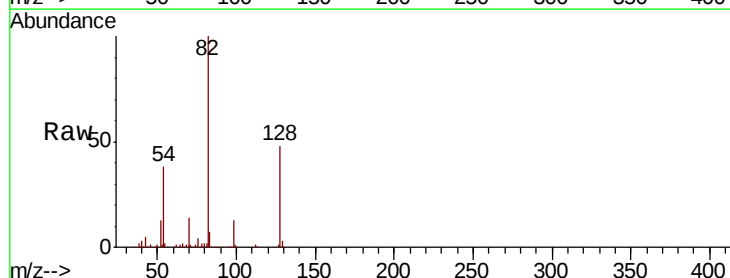
Ion Ratio Lower Upper

70 100

42 35.7 34.6 51.8

101 0.0 8.1 12.1#

130 2.4 19.4 29.2#

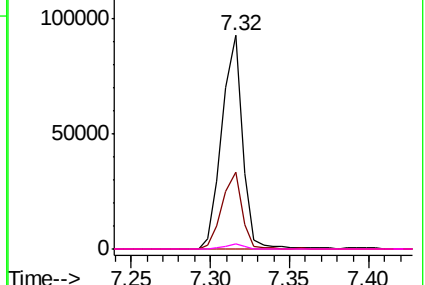
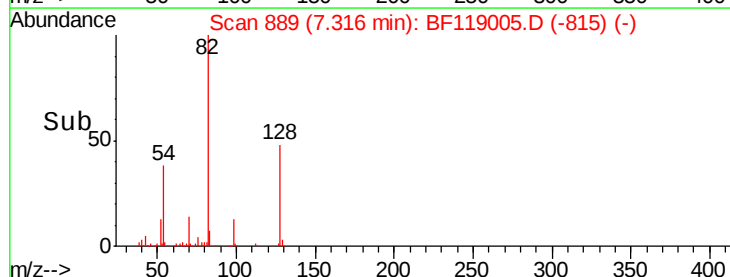


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

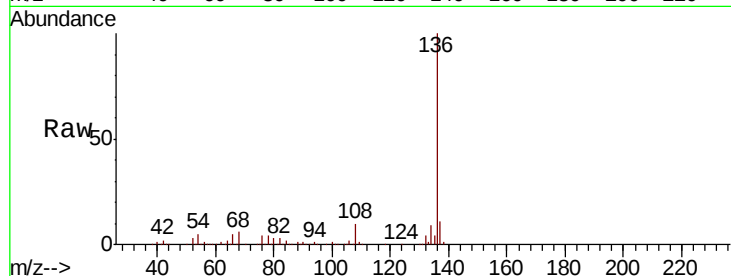




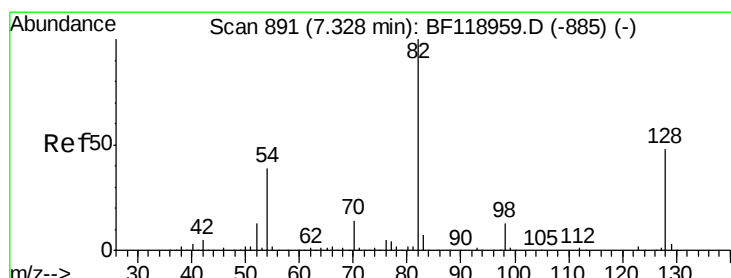
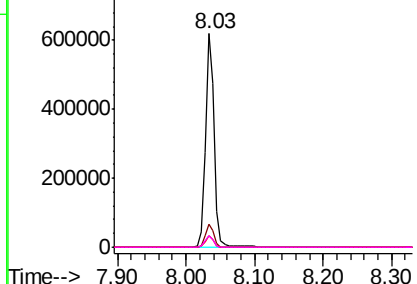
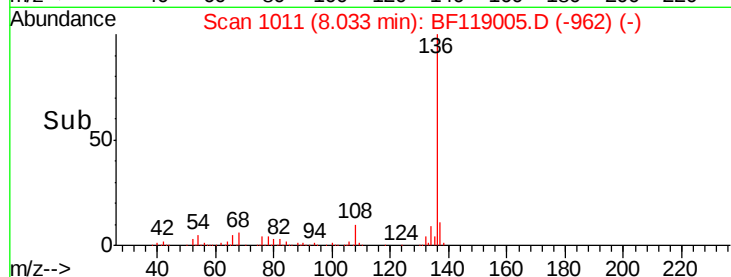
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.03 min Scan# 1011  
Delta R.T. -0.01 min  
Lab File: BF119005.D  
Acq: 21 Feb 2020 21:15

Instrument :  
BNA\_F  
ClientSampleId :

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 558472      |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 11.0  | 8.9 13.3    |
| 54          | 5.3   | 3.8 5.6     |
| 68          | 5.5   | 4.2 6.2     |

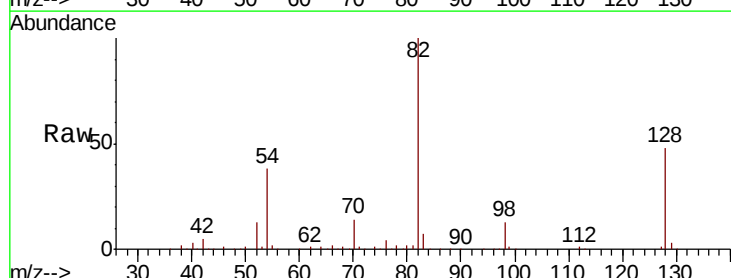


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

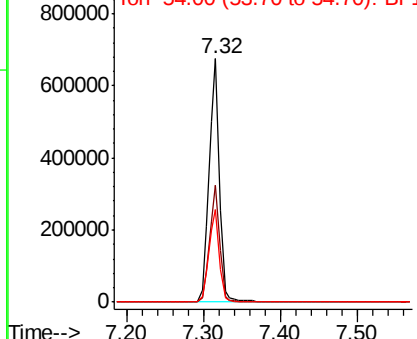
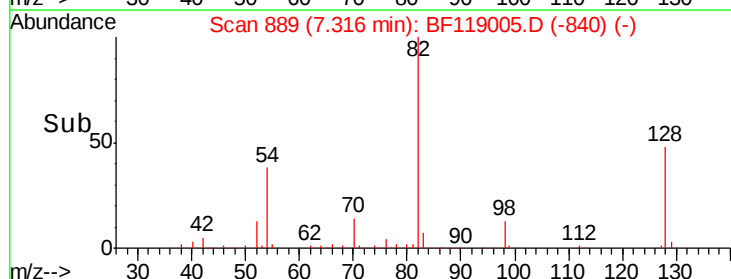


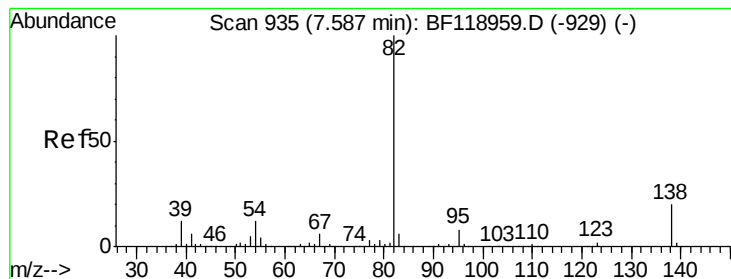
#23  
Nitrobenzene-d5  
Concen: 58.846 ng  
RT: 7.32 min Scan# 889  
Delta R.T. -0.01 min  
Lab File: BF119005.D  
Acq: 21 Feb 2020 21:15

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 82 | Resp: | 622416      |
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 48.1  | 38.2 57.2   |
| 54          | 37.8  | 31.3 46.9   |



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: 33.883 ng

RT: 7.32 min Scan# 889

Delta R.T. -0.27 min

Lab File: BF119005.D

Acq: 21 Feb 2020 21:15

Instrument :

BNA\_F

ClientSampleId :

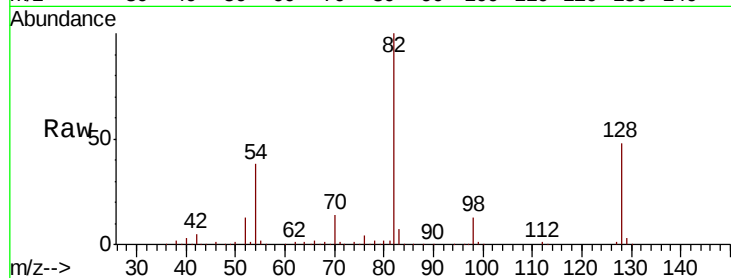
Tot Ion: 82 Resp: 622411

Ion Ratio Lower Upper

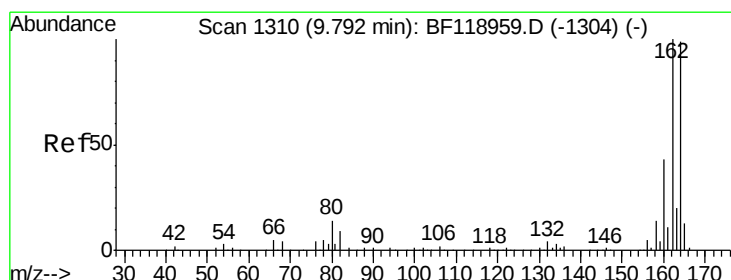
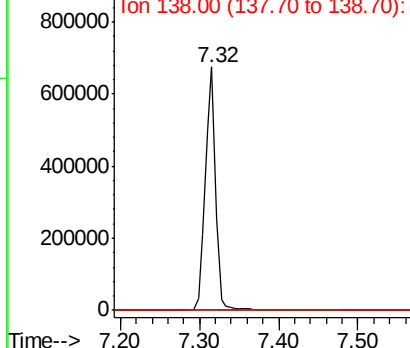
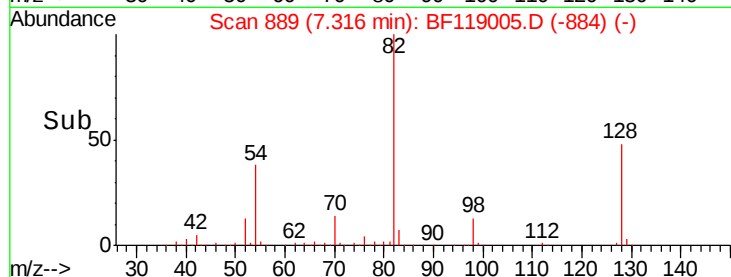
82 100

95 0.0 6.1 9.1#

138 0.0 15.8 23.6#



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: 9.79 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF119005.D

Acq: 21 Feb 2020 21:15

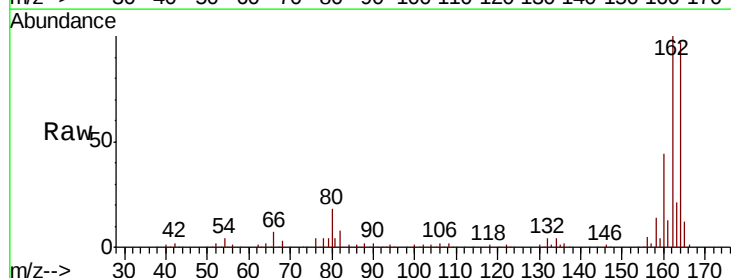
Tgt Ion: 164 Resp: 257310

Ion Ratio Lower Upper

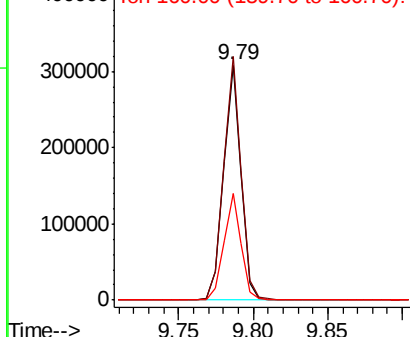
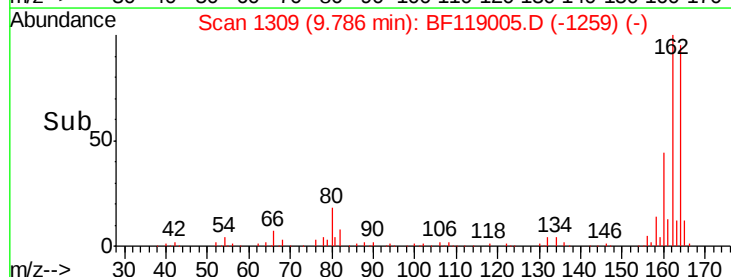
164 100

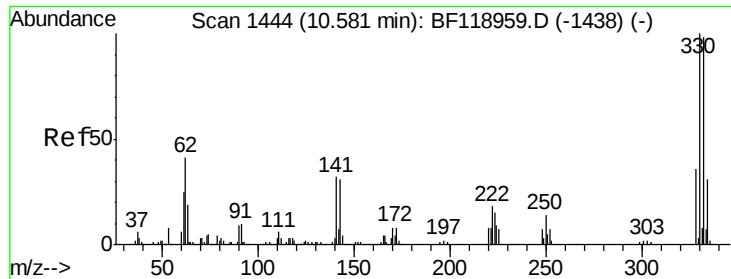
162 103.5 81.2 121.8

160 45.3 35.2 52.8



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

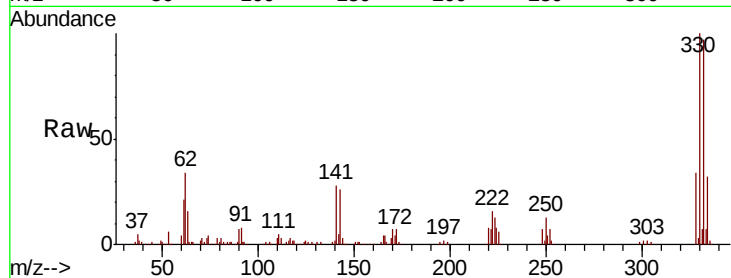




#42  
 2,4,6-Tribromophenol  
 Concen: 75.312 ng  
 RT: 10.57 min Scan# 1443  
 Delta R.T. -0.01 min  
 Lab File: BF119005.D  
 Acq: 21 Feb 2020 21:15

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.0  | 77.1  | 115.7 |
| 141     | 29.1  | 23.0  | 34.6  |

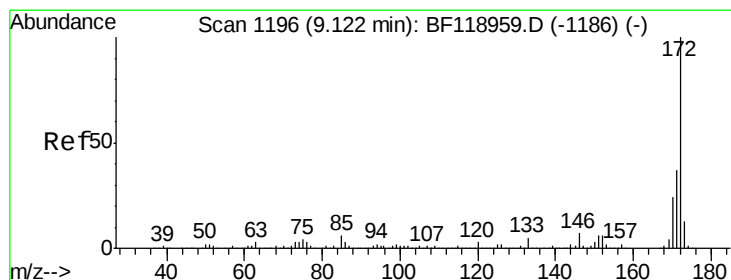
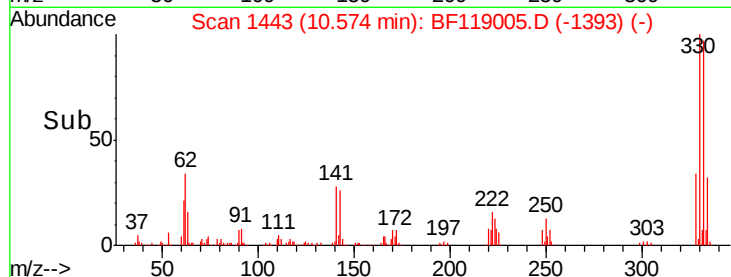
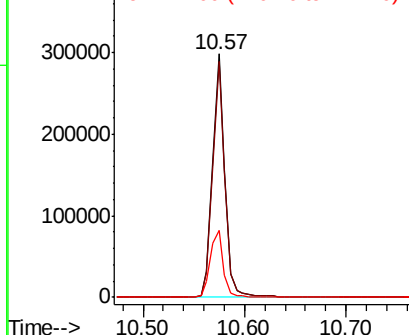


Abundance

Ion 329.80 (329.50 to 330.50): E

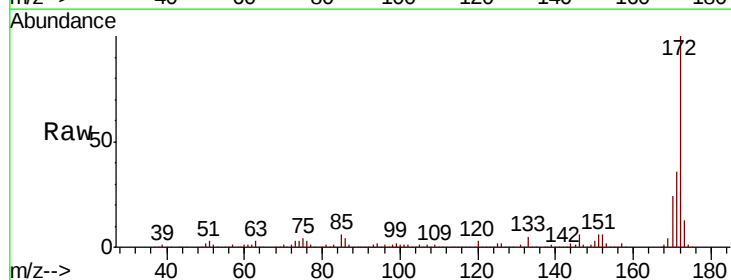
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 62.638 ng  
 RT: 9.11 min Scan# 1194  
 Delta R.T. -0.01 min  
 Lab File: BF119005.D  
 Acq: 21 Feb 2020 21:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.0  | 29.4  | 44.2  |
| 170     | 23.7  | 19.6  | 29.4  |

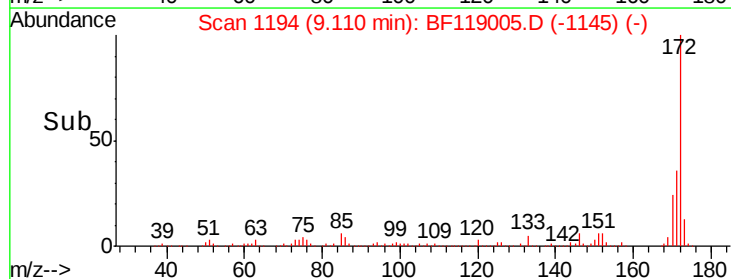
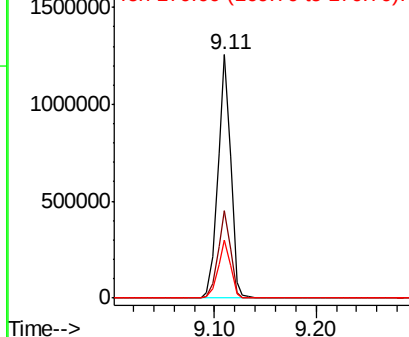


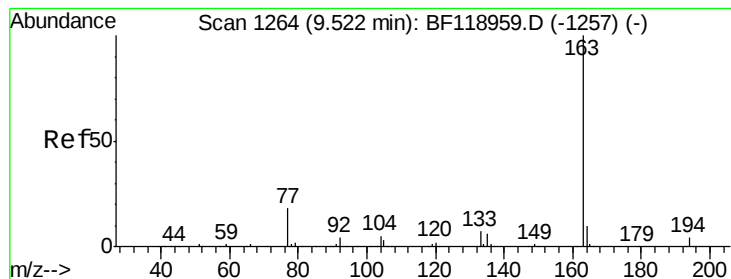
Abundance

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





#50

Dimethylphthalate

Concen: 7.437 ng

RT: 9.50 min Scan# 1261

Delta R.T. -0.02 min

Lab File: BF119005.D

Acq: 21 Feb 2020 21:15

Instrument :

BNA\_F

ClientSampleId :

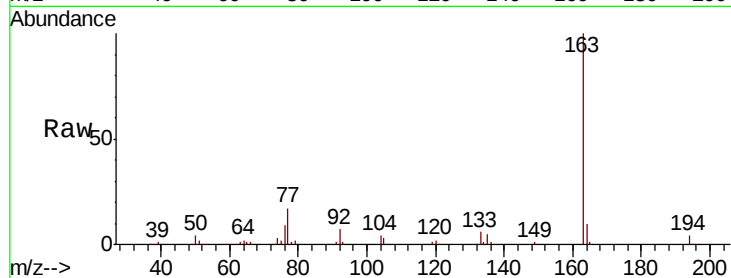
Tot Ion:163 Resp: 146334

Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.2

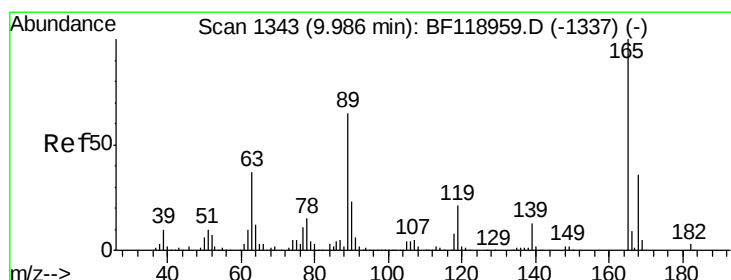
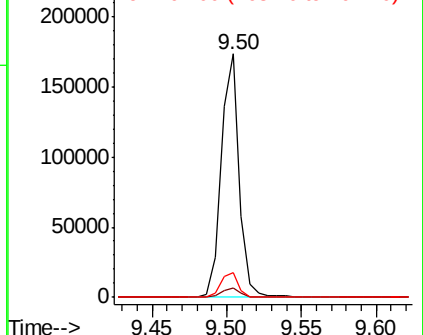
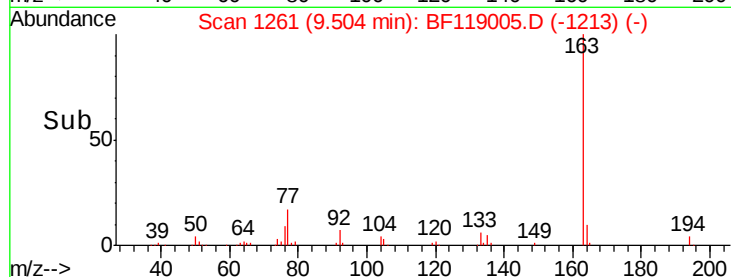
164 10.1 8.2 12.2



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



#57

2,4-Dinitrotoluene

Concen: 5.826 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.20 min

Lab File: BF119005.D

Acq: 21 Feb 2020 21:15

Tgt Ion:165 Resp: 33014

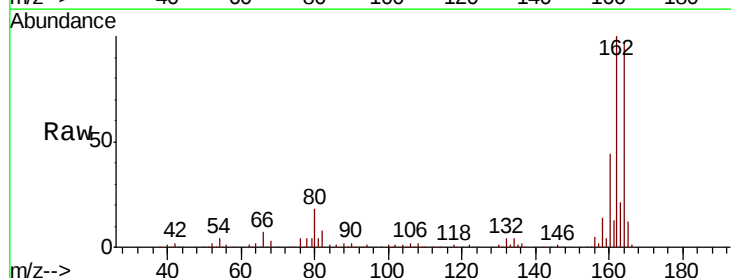
Ion Ratio Lower Upper

165 100

63 0.9 29.8 44.8#

89 1.5 51.9 77.9#

182 0.0 2.3 3.5#

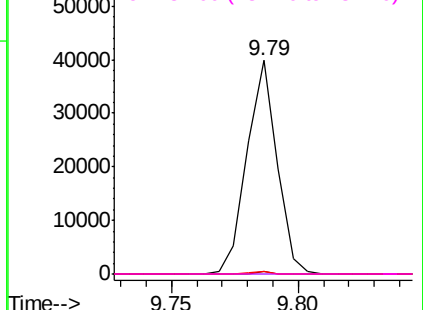
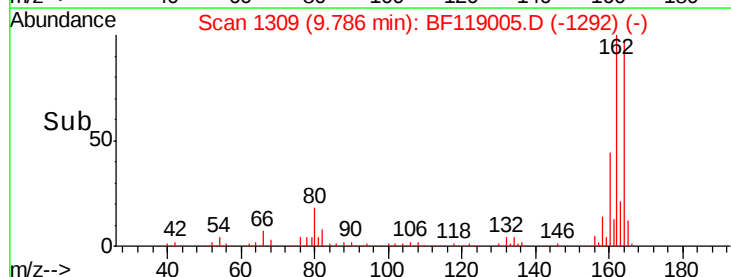


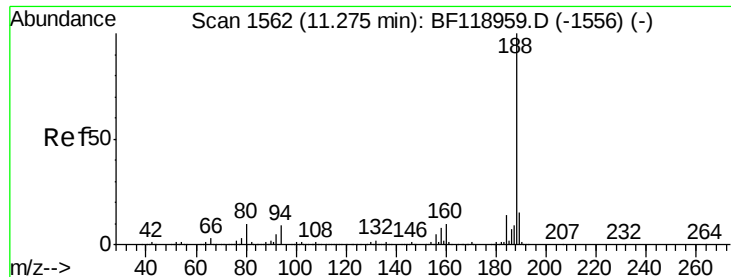
Abundance Ion 165.00 (164.70 to 165.70): E

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

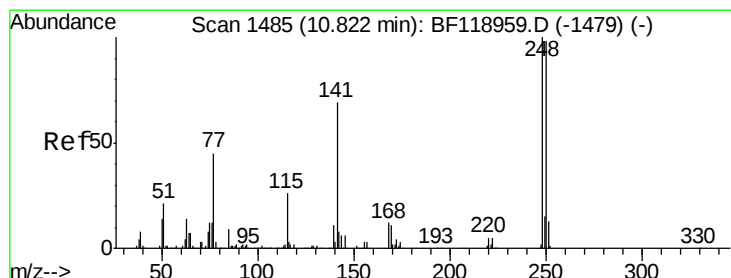
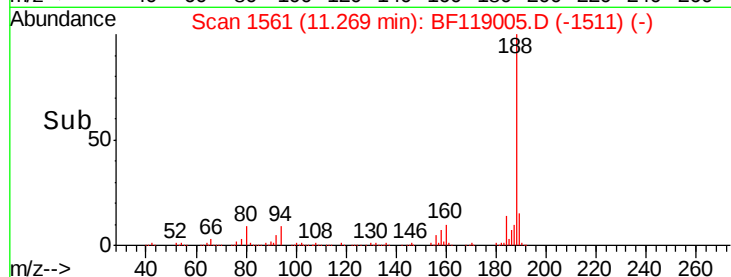
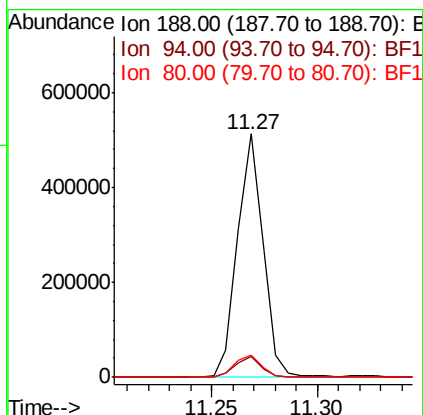
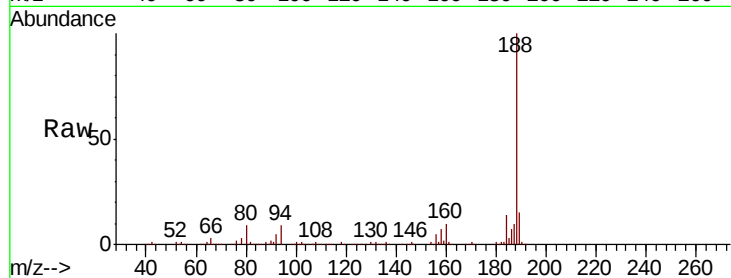




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.27 min Scan# 1561  
Delta R.T. -0.01 min  
Lab File: BF119005.D  
Acq: 21 Feb 2020 21:15

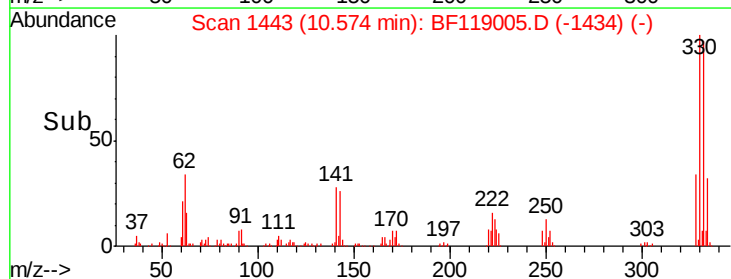
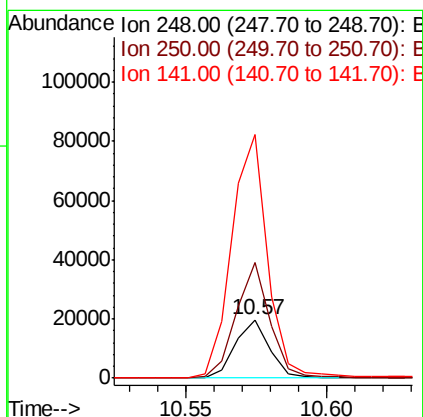
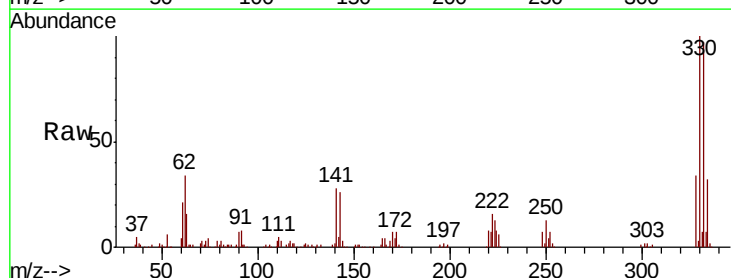
Instrument :  
BNA\_F  
ClientSampleId :

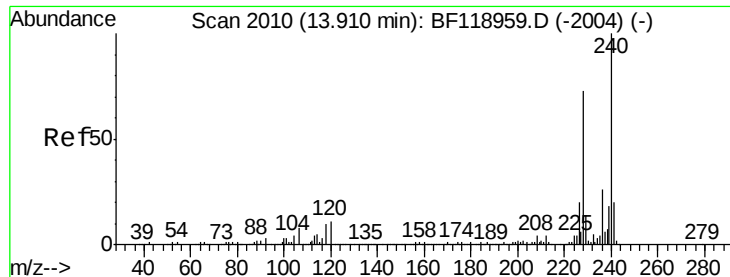
Tot Ion:188 Resp: 432569  
Ion Ratio Lower Upper  
188 100  
94 8.6 7.0 10.6  
80 9.2 7.9 11.9



#67  
4-Bromophenyl-phenylether  
Concen: 2.918 ng  
RT: 10.57 min Scan# 1443  
Delta R.T. -0.25 min  
Lab File: BF119005.D  
Acq: 21 Feb 2020 21:15

Tgt Ion:248 Resp: 16498  
Ion Ratio Lower Upper  
248 100  
250 199.8 78.8 118.2#  
141 419.8 55.3 82.9#

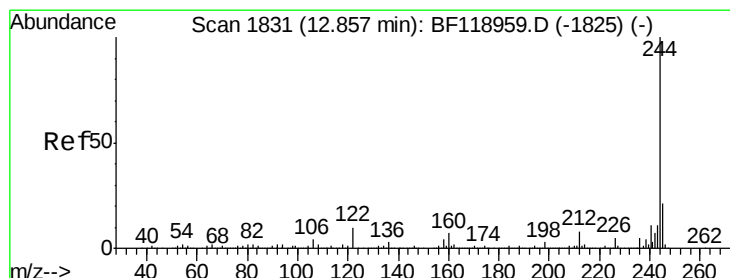
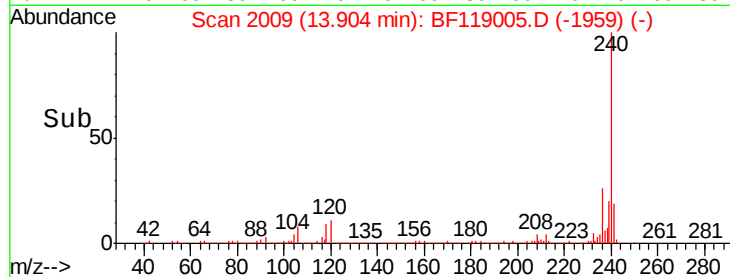
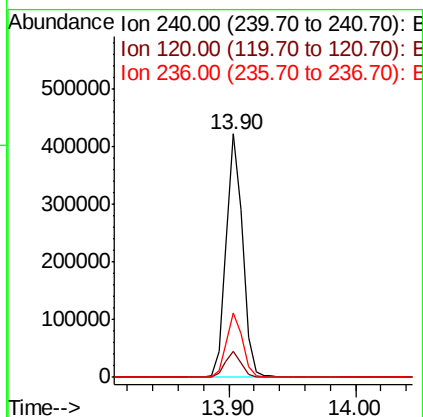
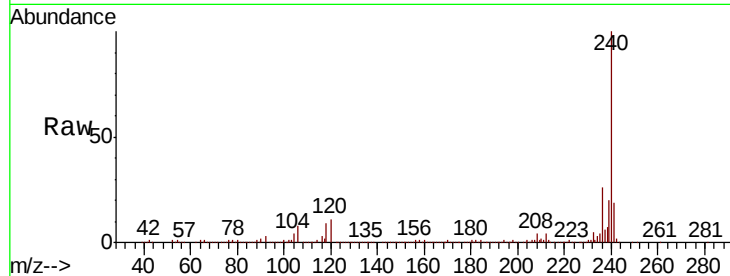




#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.90 min Scan# 2009  
 Delta R.T. -0.01 min  
 Lab File: BF119005.D  
 Acq: 21 Feb 2020 21:15

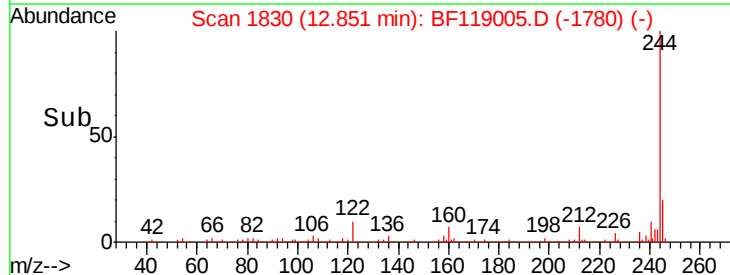
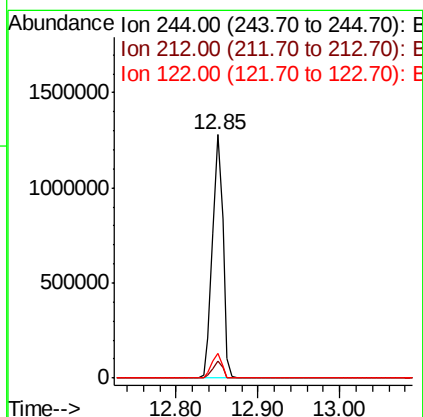
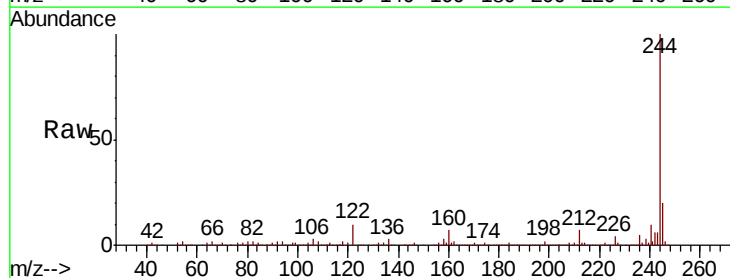
Instrument :  
 BNA\_F  
 ClientSampleId :

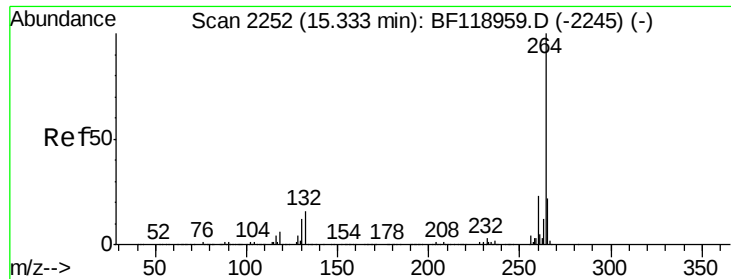
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 10.6  | 8.9   | 13.3  |
| 236     | 26.4  | 20.6  | 30.8  |



#79  
 Terphenyl-d14  
 Concen: 51.921 ng  
 RT: 12.85 min Scan# 1830  
 Delta R.T. -0.01 min  
 Lab File: BF119005.D  
 Acq: 21 Feb 2020 21:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.8   | 6.3   | 9.5   |
| 122     | 10.1  | 8.4   | 12.6  |

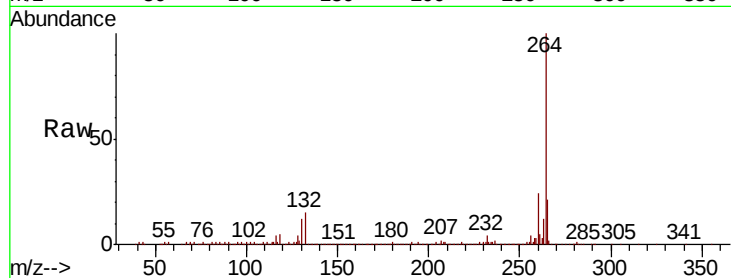




#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.33 min Scan# 2252  
Delta R.T. -0.00 min  
Lab File: BF119005.D  
Acq: 21 Feb 2020 21:15

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.1  | 18.6  | 28.0  |
| 265     | 21.4  | 17.3  | 25.9  |



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

