

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062220\  
 Data File : BF120683.D  
 Acq On : 22 Jun 2020 18:35  
 Operator : JU/CG  
 Sample : L3082-07  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-8

Quant Time: Jun 23 01:33:57 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 11 11:28:22 2020  
 Response via : Initial Calibration

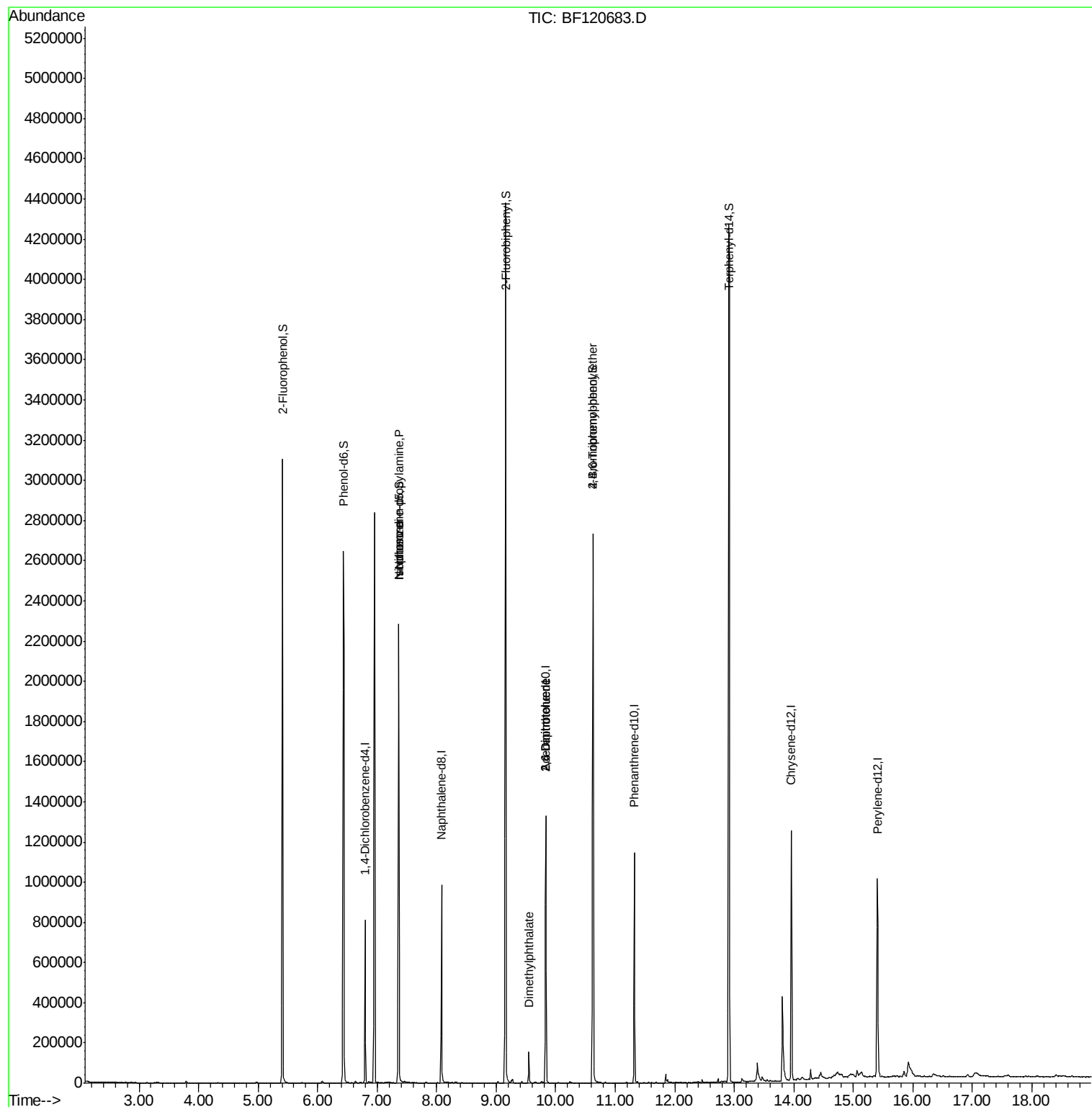
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.80  | 152  | 126321   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.08  | 136  | 465025   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.83  | 164  | 257768   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.32 | 188  | 470171   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 13.96 | 240  | 460752   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.40 | 264  | 461761   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.41  | 112  | 916278   | 124.36 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.43  | 99   | 1097151  | 119.56 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.36  | 82   | 756720   | 90.96  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.63 | 330  | 403532   | 134.65 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.16  | 172  | 1436654  | 85.27  | ng    | 0.00     |
| 79) Terphenyl-d14              | 12.92 | 244  | 1880101  | 90.13  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.36  | 70   | 100483   | 18.877 | ng    | # 75     |
| 25) Isophorone                 | 7.36  | 82   | 751230   | 46.356 | ng    | # 62     |
| 50) Dimethylphthalate          | 9.55  | 163  | 70674    | 3.807  | ng    | 100      |
| 51) 2,6-Dinitrotoluene         | 9.83  | 165  | 32797    | 7.795  | ng    | # 27     |
| 57) 2,4-Dinitrotoluene         | 9.83  | 165  | 32797    | 5.875  | ng    | # 29     |
| 67) 4-Bromophenyl-phenylether  | 10.63 | 248  | 23862    | 4.472  | ng    | # 1      |

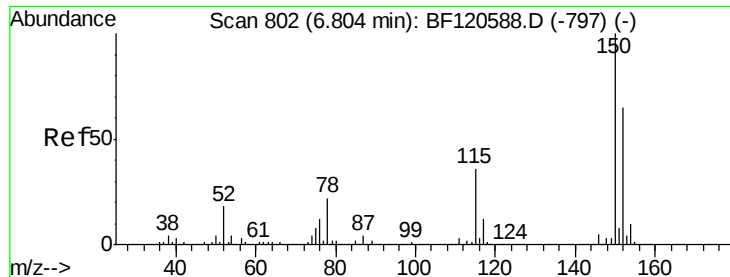
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062220\  
Data File : BF120683.D  
Acq On : 22 Jun 2020 18:35  
Operator : JU/CG  
Sample : L3082-07  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-8

Quant Time: Jun 23 01:33:57 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jun 11 11:28:22 2020  
Response via : Initial Calibration



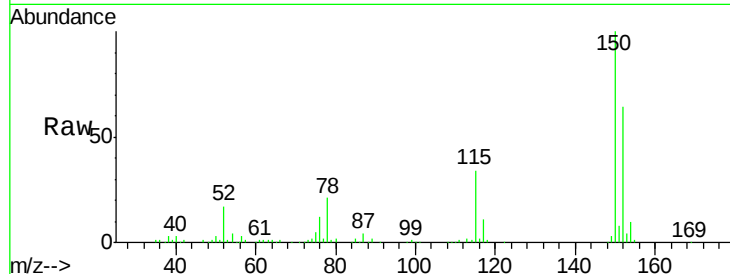


#1

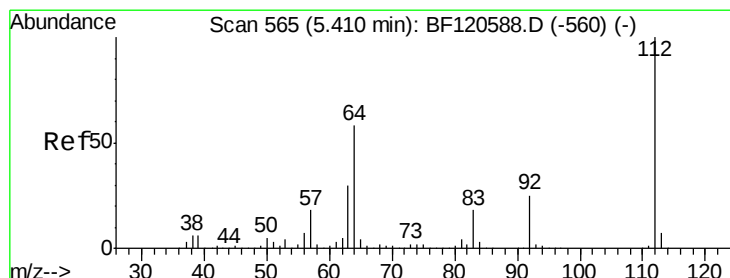
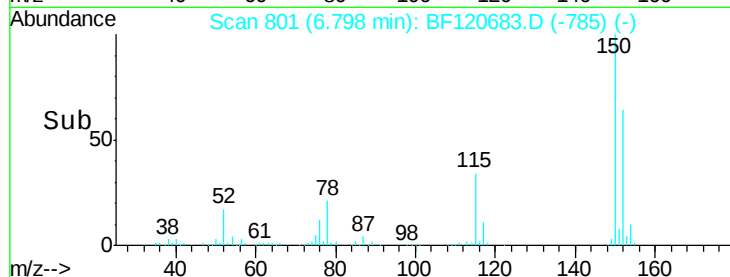
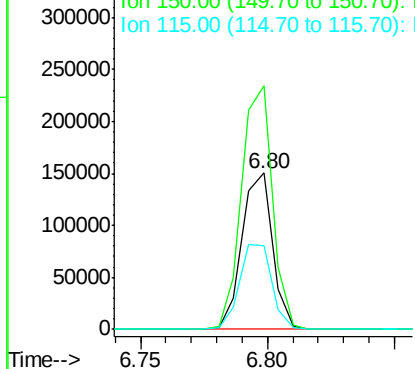
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.80 min Scan# 801  
Delta R.T. -0.01 min  
Lab File: BF120683.D  
Acq: 22 Jun 2020 18:35

Instrument :  
BNA\_F  
ClientSampleId :  
SB-8

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.8 | 123.2 | 184.8 |
| 115     | 53.7  | 43.9  | 65.9  |



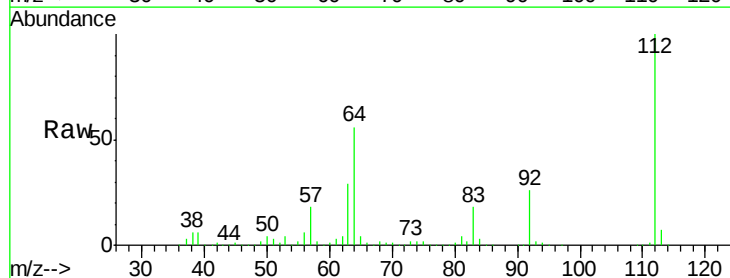
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



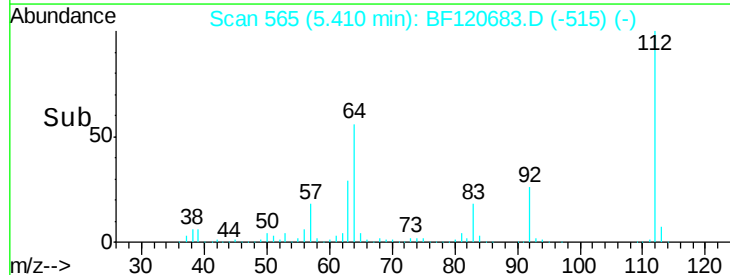
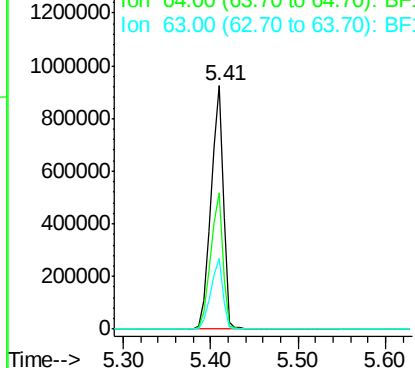
#5

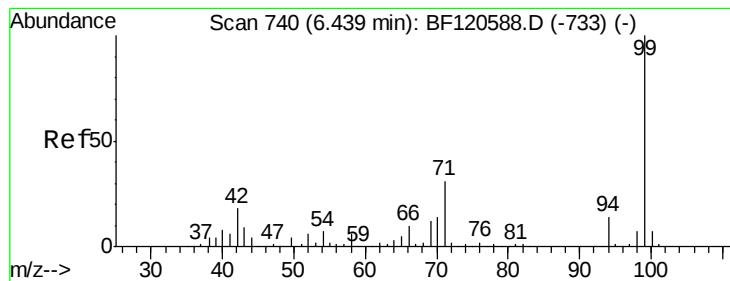
2-Fluorophenol  
Concen: 124.359 ng  
RT: 5.41 min Scan# 565  
Delta R.T. -0.01 min  
Lab File: BF120683.D  
Acq: 22 Jun 2020 18:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 56.0  | 46.1  | 69.1  |
| 63      | 29.0  | 23.7  | 35.5  |



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: 119.557 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF120683.D

Acq: 22 Jun 2020 18:35

Instrument :

BNA\_F

ClientSampleId :

SB-8

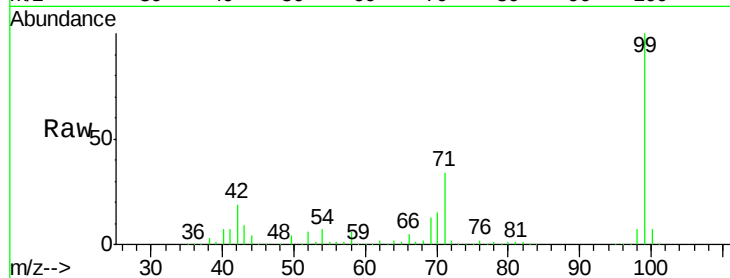
Tot Ion: 99 Resp: 1097151

Ion Ratio Lower Upper

99 100

42 18.7 14.0 21.0

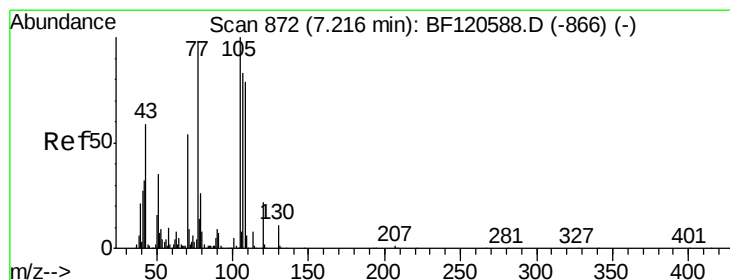
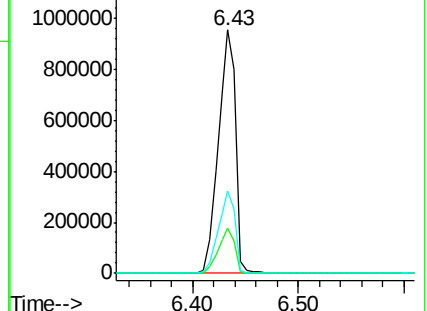
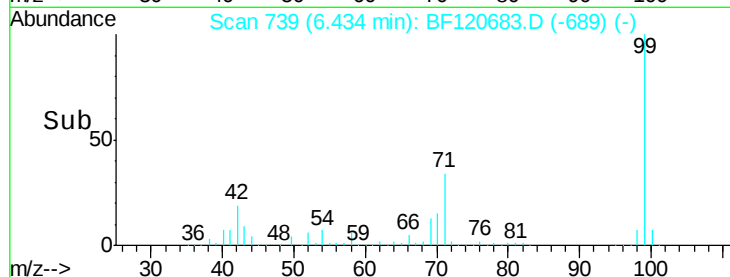
71 34.0 24.9 37.3



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: 18.877 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF120683.D

Acq: 22 Jun 2020 18:35

Tgt Ion: 70 Resp: 100483

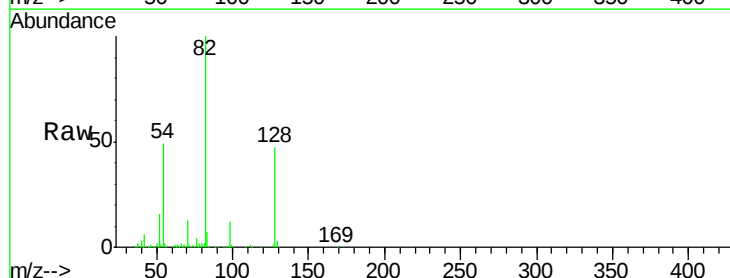
Ion Ratio Lower Upper

70 100

42 45.3 47.7 71.5#

101 0.0 7.6 11.4#

130 2.3 16.7 25.1#

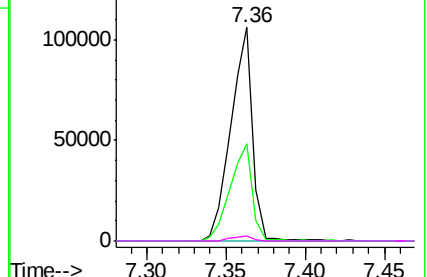
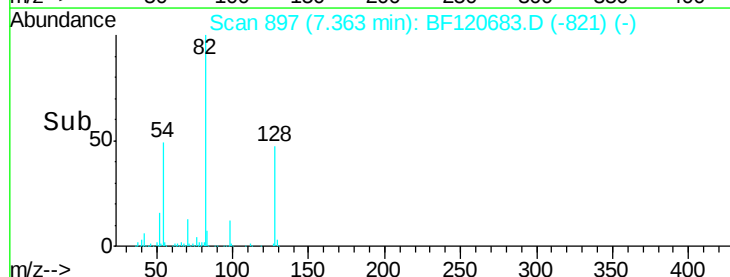


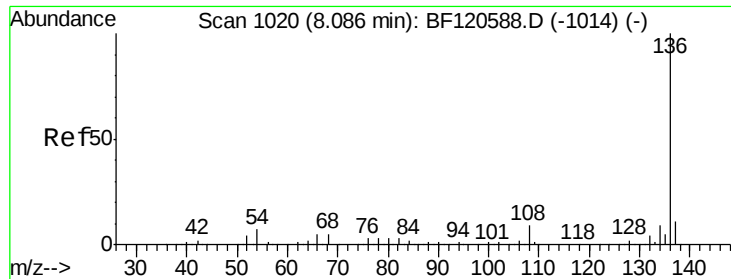
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

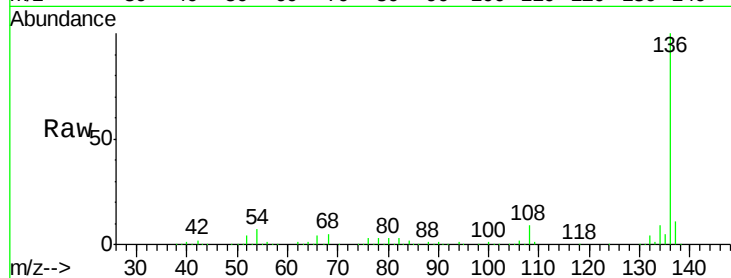




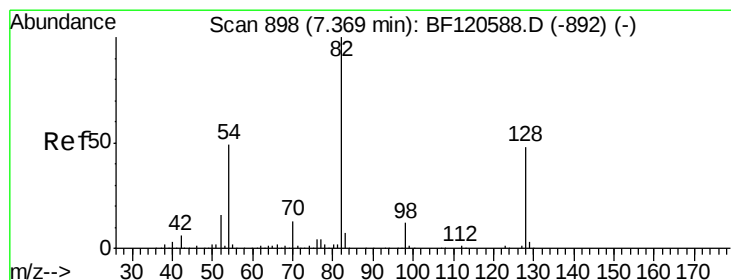
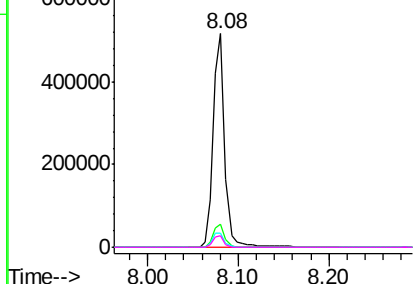
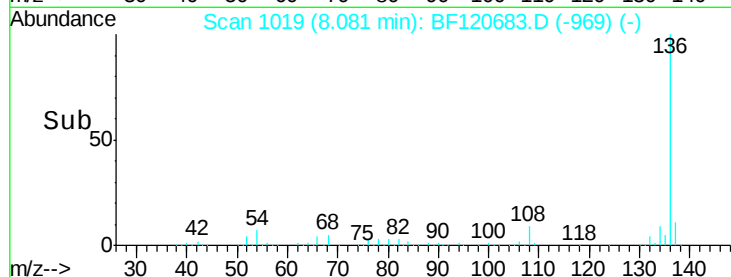
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.08 min Scan# 1019  
Delta R.T. -0.01 min  
Lab File: BF120683.D  
Acq: 22 Jun 2020 18:35

Instrument :  
BNA\_F  
ClientSampleId :  
SB-8

|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 465025   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 10.5  | 8.6 13.0 |
| 54          | 6.5   | 5.8 8.6  |
| 68          | 5.3   | 4.4 6.6  |

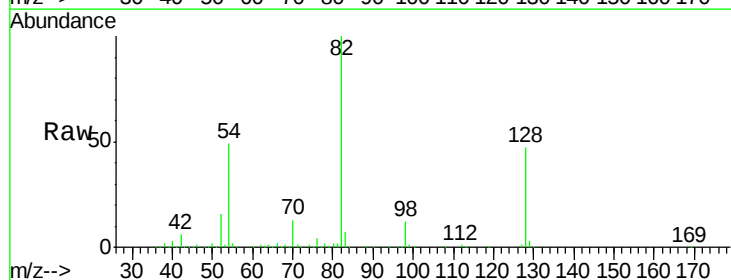


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

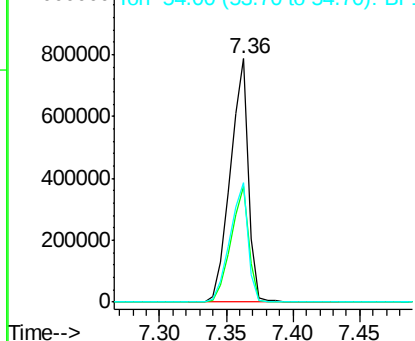
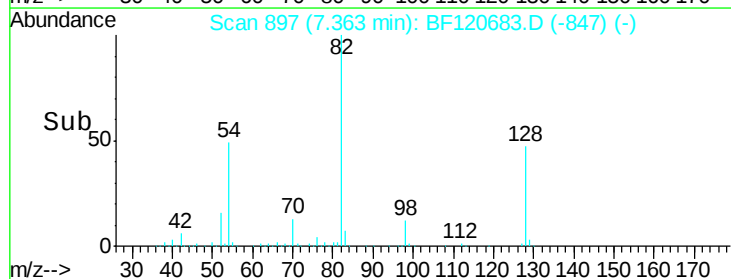


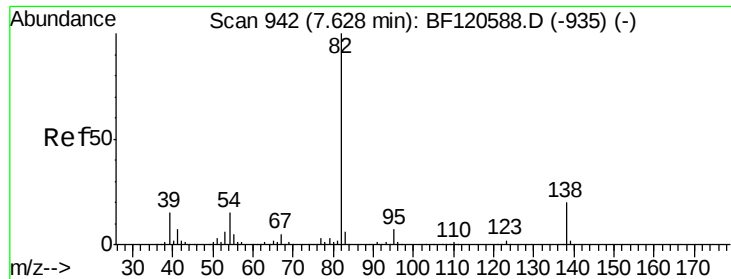
#23  
Nitrobenzene-d5  
Concen: 90.959 ng  
RT: 7.36 min Scan# 897  
Delta R.T. -0.01 min  
Lab File: BF120683.D  
Acq: 22 Jun 2020 18:35

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 756720    |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 47.3  | 38.0 57.0 |
| 54          | 49.1  | 38.8 58.2 |



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

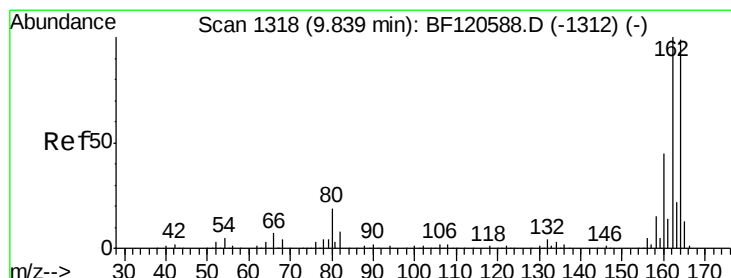
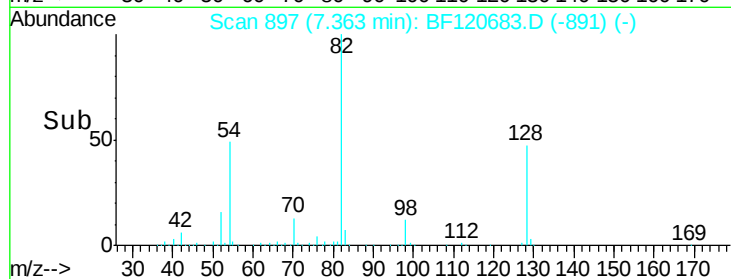
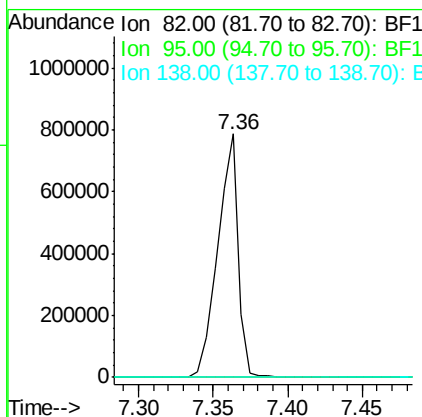
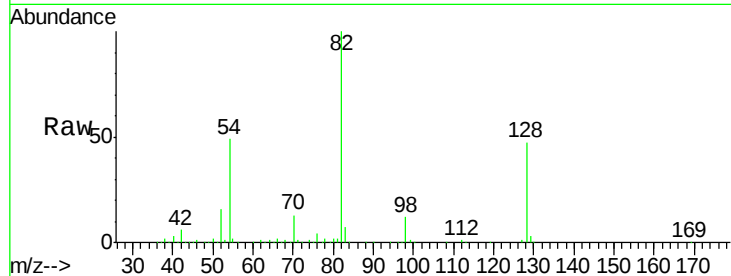




#25  
Isophorone  
Concen: 46.356 ng  
RT: 7.36 min Scan# 897  
Delta R.T. -0.26 min  
Lab File: BF120683.D  
Acq: 22 Jun 2020 18:35

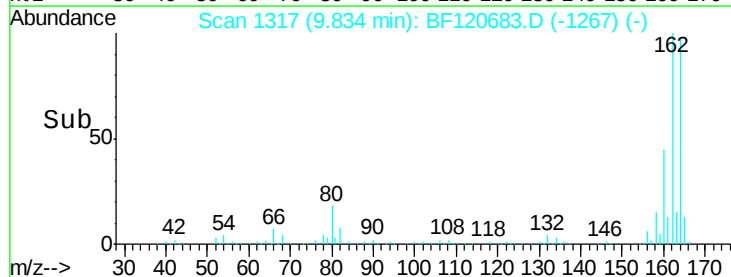
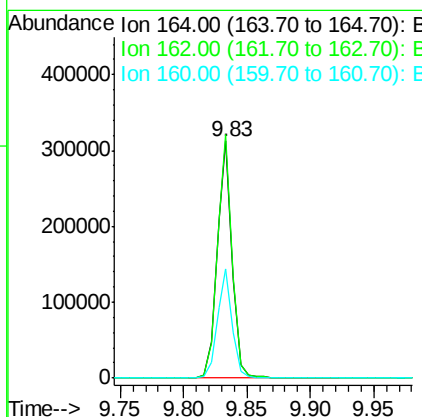
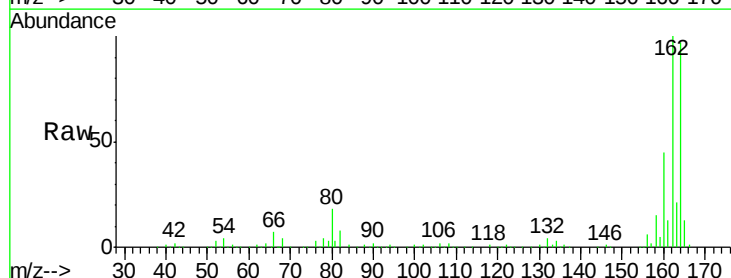
Instrument :  
BNA\_F  
ClientSampleId :  
SB-8

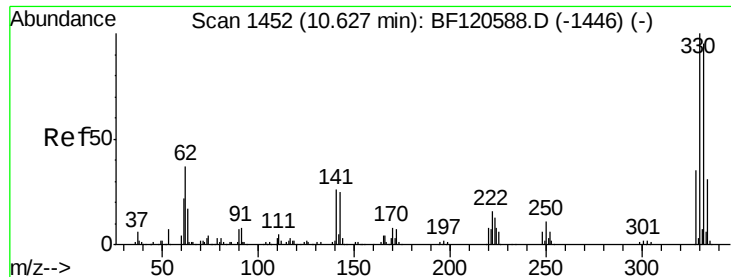
Tot Ion: 82 Resp: 751230  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.7 8.5#  
138 0.0 16.2 24.4#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.83 min Scan# 1317  
Delta R.T. -0.01 min  
Lab File: BF120683.D  
Acq: 22 Jun 2020 18:35

Tgt Ion:164 Resp: 257768  
Ion Ratio Lower Upper  
164 100  
162 102.7 80.6 120.8  
160 45.9 36.2 54.2

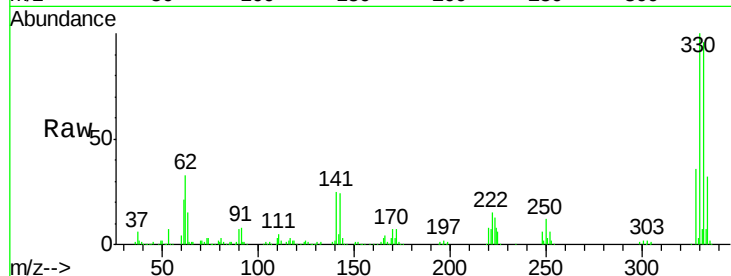




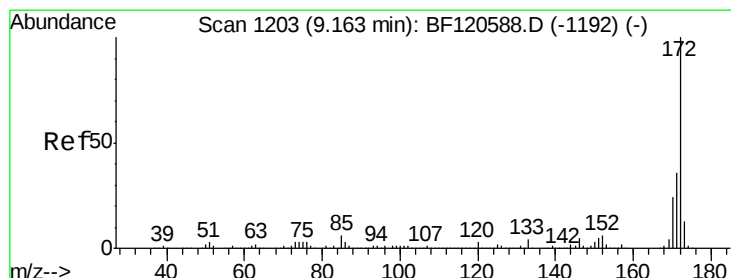
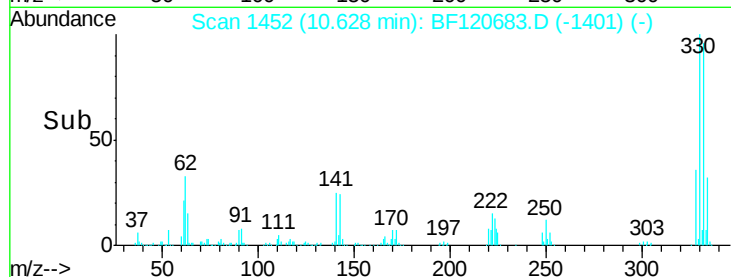
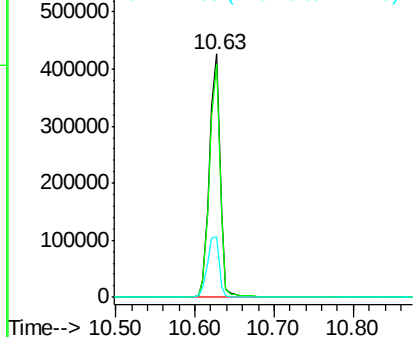
#42  
 2,4,6-Tribromophenol  
 Concen: 134.649 ng  
 RT: 10.63 min Scan# 1452  
 Delta R.T. 0.00 min  
 Lab File: BF120683.D  
 Acq: 22 Jun 2020 18:35

Instrument :  
 BNA\_F  
 ClientSampled :  
 SB-8

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.5  | 76.8  | 115.2 |
| 141     | 27.9  | 23.2  | 34.8  |

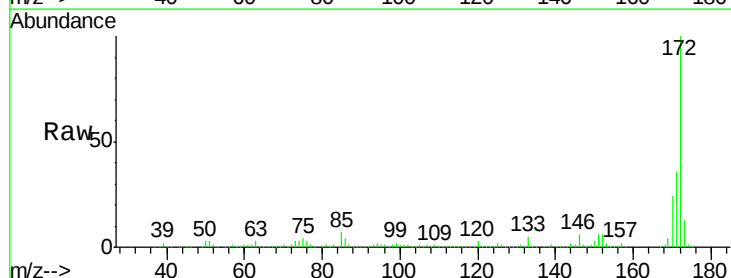


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

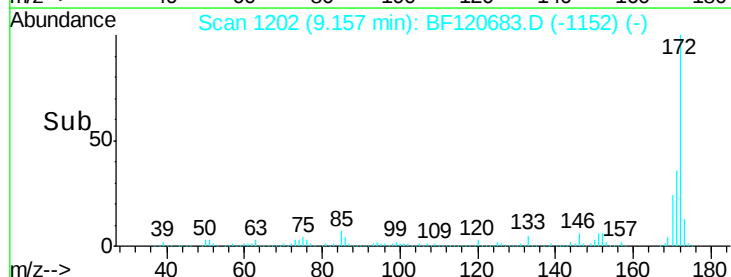
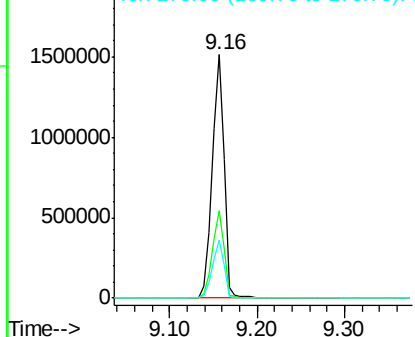


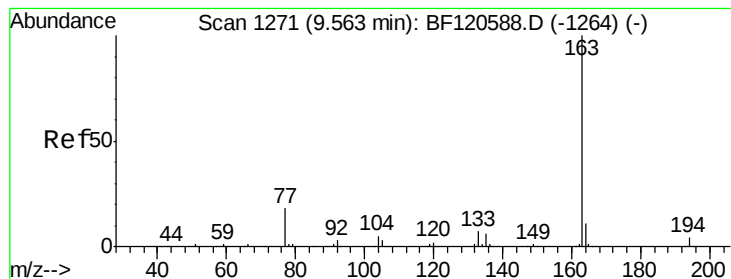
#45  
 2-Fluorobiphenyl  
 Concen: 85.273 ng  
 RT: 9.16 min Scan# 1202  
 Delta R.T. -0.01 min  
 Lab File: BF120683.D  
 Acq: 22 Jun 2020 18:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.9  | 29.0  | 43.4  |
| 170     | 23.9  | 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: 3.807 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.02 min

Lab File: BF120683.D

Acq: 22 Jun 2020 18:35

Instrument :

BNA\_F

ClientSampleId :

SB-8

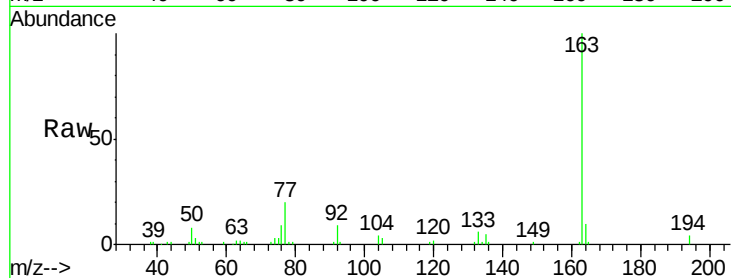
Tot Ion:163 Resp: 70674

Ion Ratio Lower Upper

163 100

194 3.8 3.1 4.7

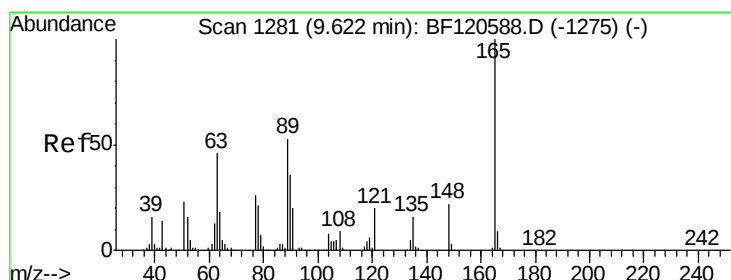
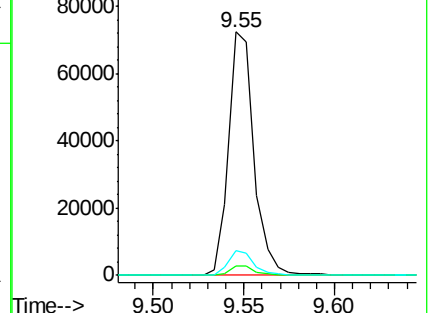
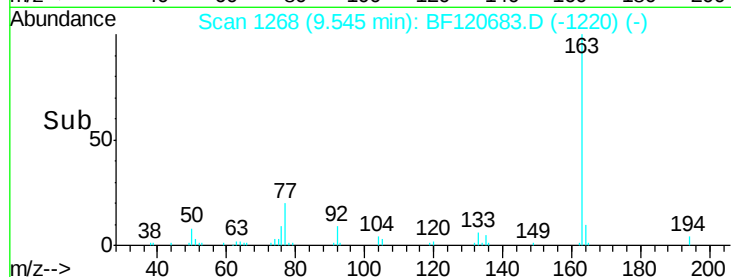
164 10.4 8.5 12.7



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



#51

2,6-Dinitrotoluene

Concen: 7.795 ng

RT: 9.83 min Scan# 1317

Delta R.T. 0.21 min

Lab File: BF120683.D

Acq: 22 Jun 2020 18:35

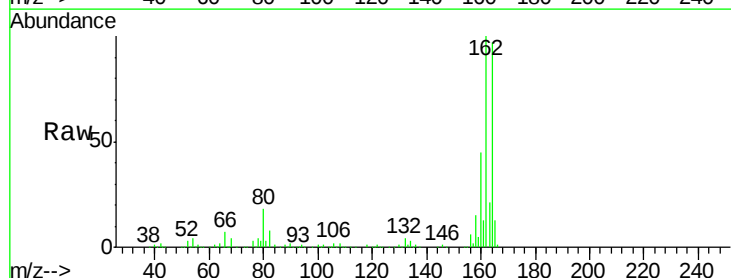
Tgt Ion:165 Resp: 32797

Ion Ratio Lower Upper

165 100

63 1.3 41.7 62.5#

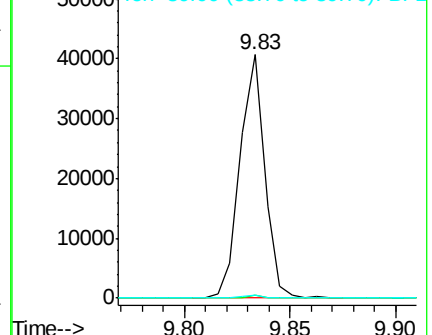
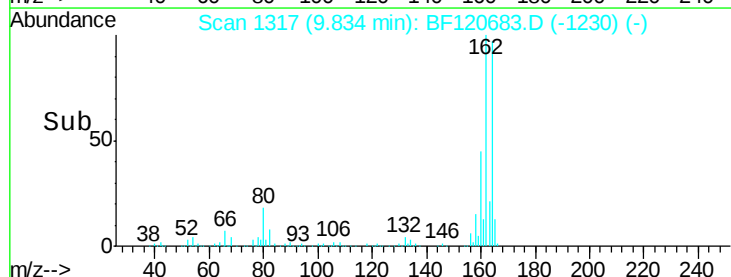
89 1.0 42.6 64.0#

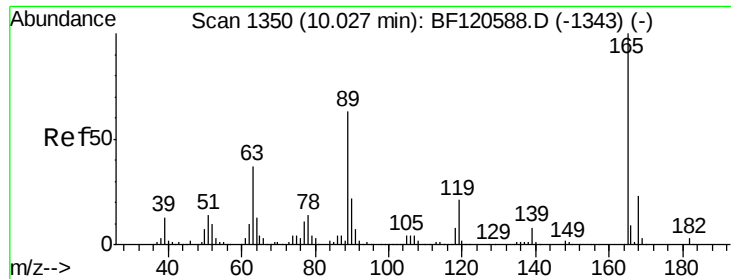


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

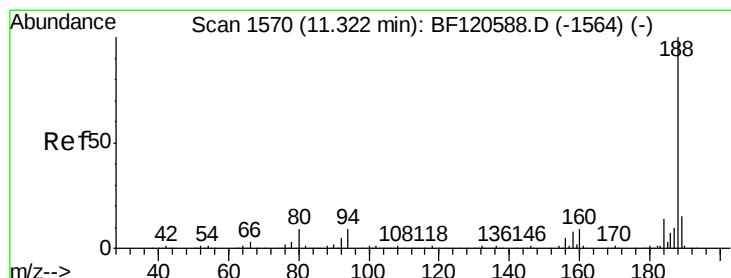
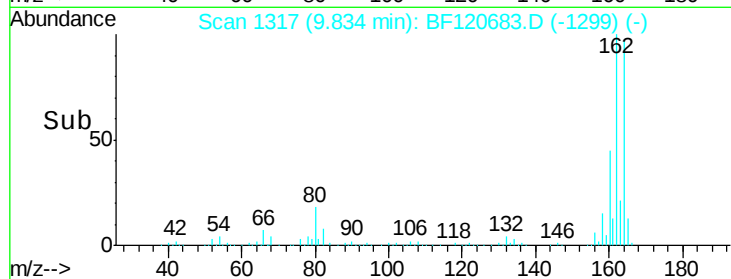
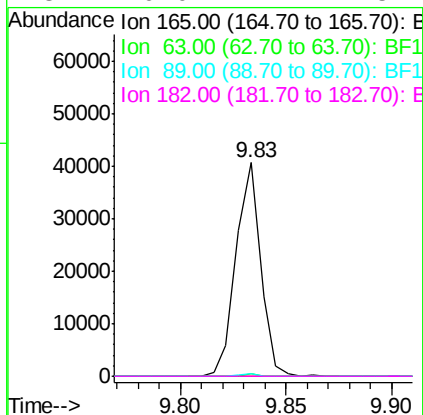
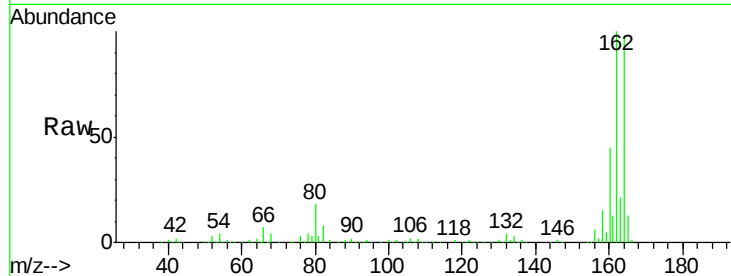




#57  
 2,4-Dinitrotoluene  
 Concen: 5.875 ng  
 RT: 9.83 min Scan# 1317  
 Delta R.T. -0.19 min  
 Lab File: BF120683.D  
 Acq: 22 Jun 2020 18:35

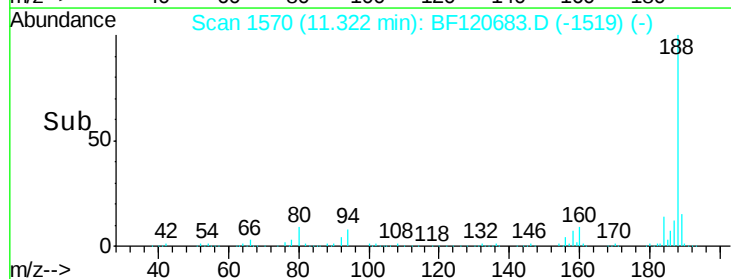
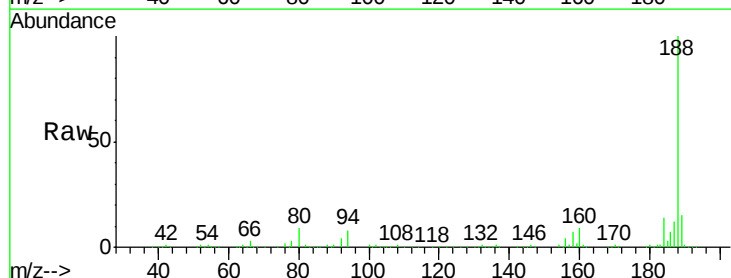
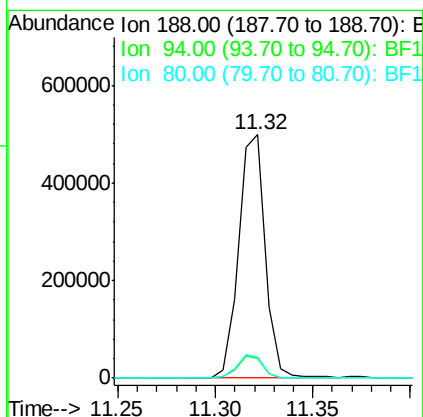
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-8

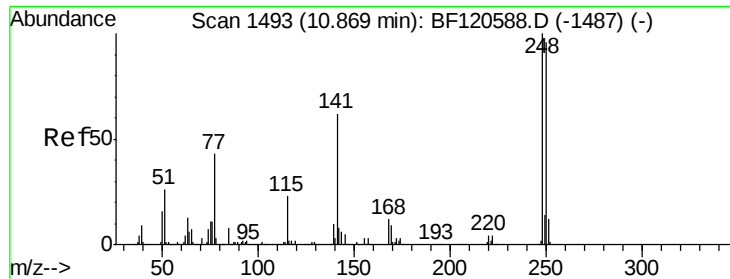
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.3   | 29.8  | 44.8# |
| 89      | 1.0   | 50.4  | 75.6# |
| 182     | 0.0   | 2.1   | 3.1#  |



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.32 min Scan# 1570  
 Delta R.T. 0.00 min  
 Lab File: BF120683.D  
 Acq: 22 Jun 2020 18:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 7.9   | 7.2   | 10.8  |
| 80      | 8.5   | 7.4   | 11.2  |

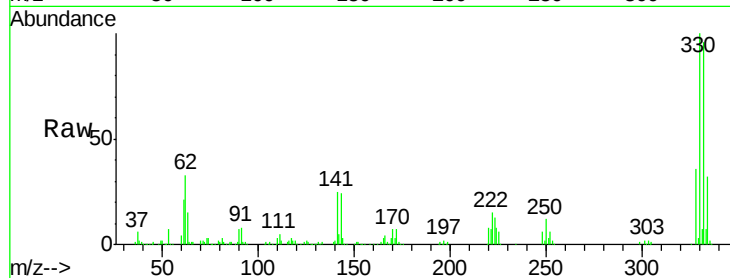




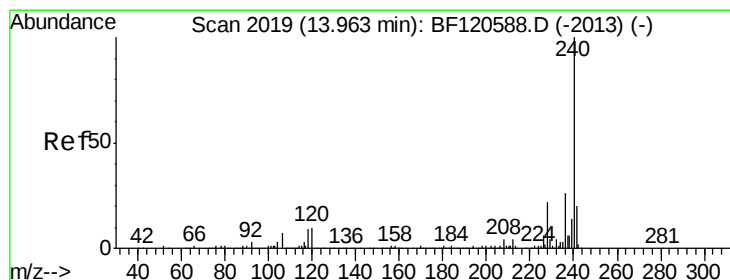
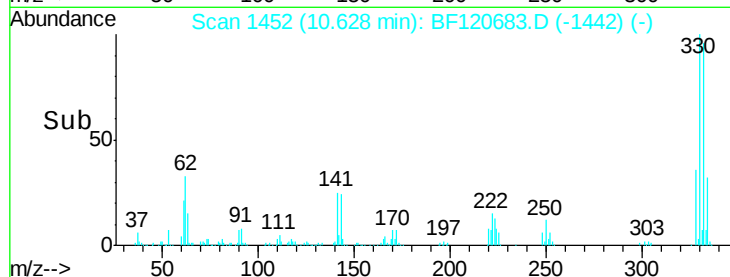
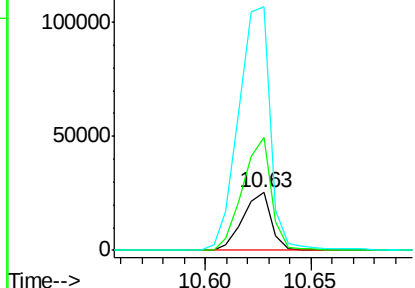
#67  
 4-Bromophenyl-phenylether  
 Concen: 4.472 ng  
 RT: 10.63 min Scan# 1452  
 Delta R.T. -0.24 min  
 Lab File: BF120683.D  
 Acq: 22 Jun 2020 18:35

Instrument :  
 BNA\_F  
 ClientSampled :  
 SB-8

Tot Ion:248 Resp: 23862  
 Ion Ratio Lower Upper  
 248 100  
 250 195.8 76.7 115.1#  
 141 423.0 49.4 74.0#

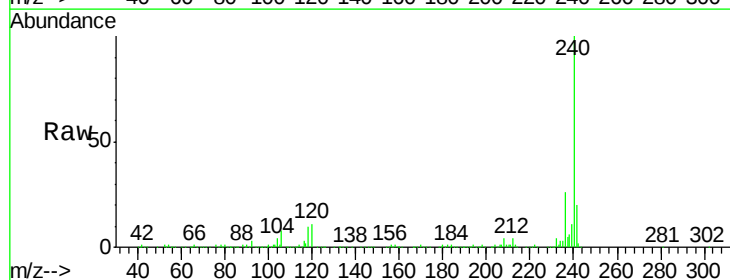


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

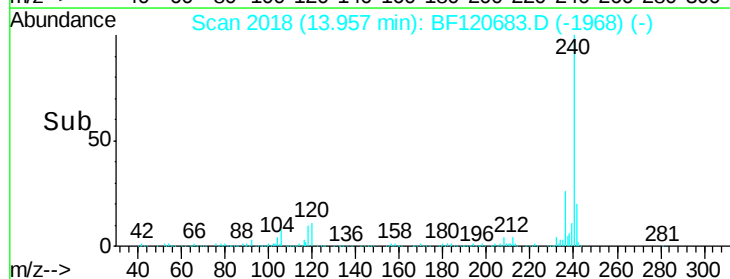
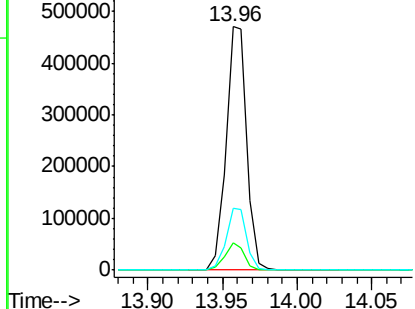


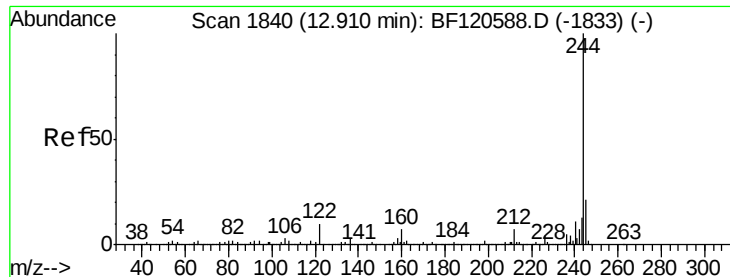
#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.96 min Scan# 2018  
 Delta R.T. -0.01 min  
 Lab File: BF120683.D  
 Acq: 22 Jun 2020 18:35

Tgt Ion:240 Resp: 460752  
 Ion Ratio Lower Upper  
 240 100  
 120 11.5 8.3 12.5  
 236 25.5 21.0 31.4



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: 90.133 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.01 min

Lab File: BF120683.D

Acq: 22 Jun 2020 18:35

Instrument :

BNA\_F

ClientSampleId :

SB-8

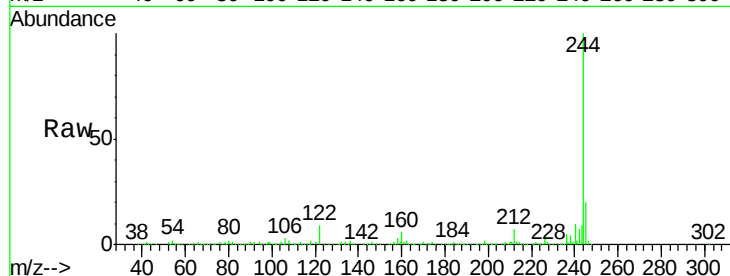
Tot Ion:244 Resp: 1880101

Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

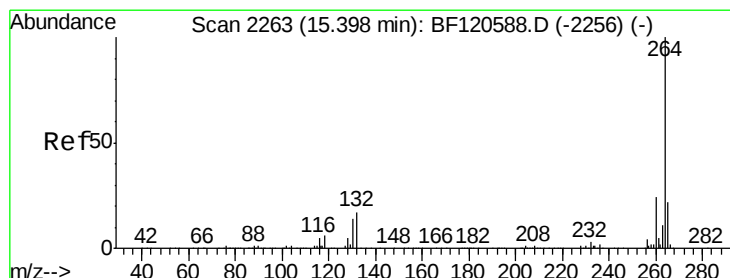
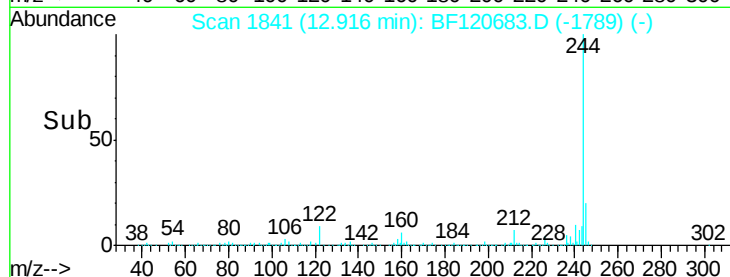
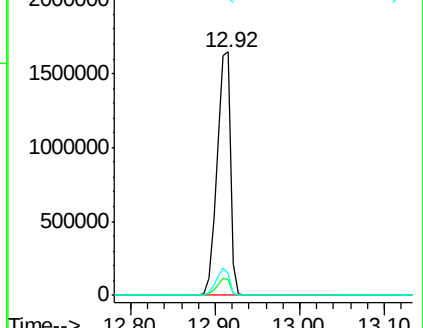
122 9.3 8.3 12.5



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.40 min Scan# 2264

Delta R.T. 0.01 min

Lab File: BF120683.D

Acq: 22 Jun 2020 18:35

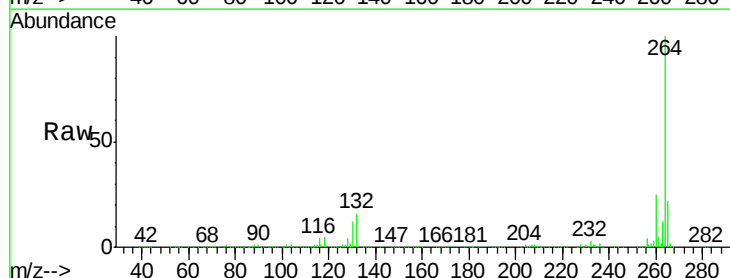
Tgt Ion:264 Resp: 461761

Ion Ratio Lower Upper

264 100

260 24.5 19.3 28.9

265 22.2 17.8 26.8



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

