

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061920\  
 Data File : BF120669.D  
 Acq On : 19 Jun 2020 17:50  
 Operator : JU/CG  
 Sample : L2809-04  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HD-01-061720

Quant Time: Jun 20 00:45:33 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

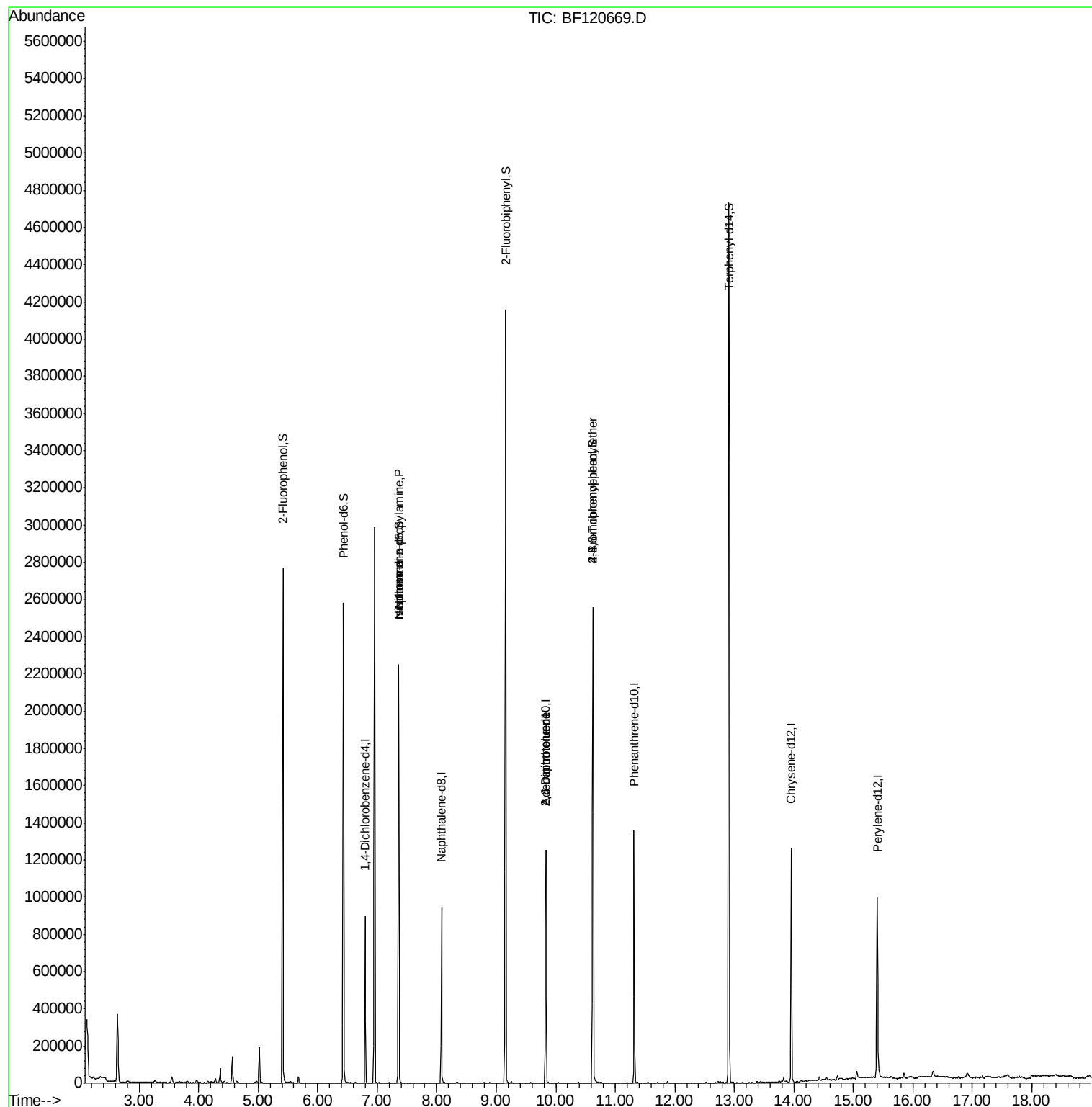
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.80  | 152  | 126379   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.08  | 136  | 423038   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.83  | 164  | 233922   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.32 | 188  | 481970   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 13.96 | 240  | 413158   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.40 | 264  | 466225   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.42  | 112  | 861385   | 116.86 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.43  | 99   | 908331   | 98.94  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.36  | 82   | 707783   | 93.52  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.63 | 330  | 385689   | 141.81 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.16  | 172  | 1359983  | 88.95  | ng    | 0.00     |
| 79) Terphenyl-d14              | 12.91 | 244  | 1970000  | 105.32 | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.36  | 70   | 92300    | 17.331 | ng    | # 78     |
| 25) Isophorone                 | 7.36  | 82   | 704094   | 47.759 | ng    | # 62     |
| 51) 2,6-Dinitrotoluene         | 9.83  | 165  | 29973    | 7.850  | ng    | # 27     |
| 57) 2,4-Dinitrotoluene         | 9.83  | 165  | 29973    | 5.916  | ng    | # 29     |
| 67) 4-Bromophenyl-phenylether  | 10.63 | 248  | 22986    | 4.202  | ng    | # 1      |

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

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Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
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HD-01-061720

Quant Time: Jun 20 00:45:33 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



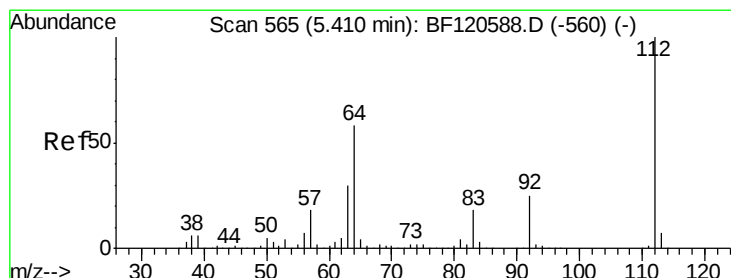
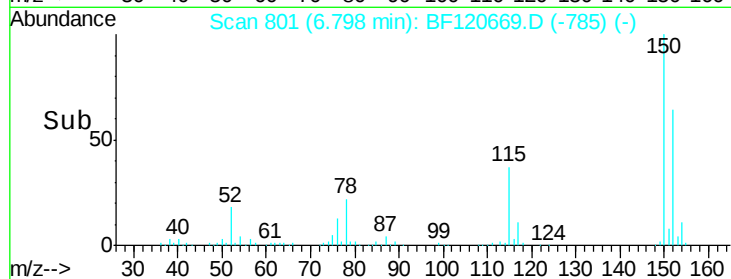
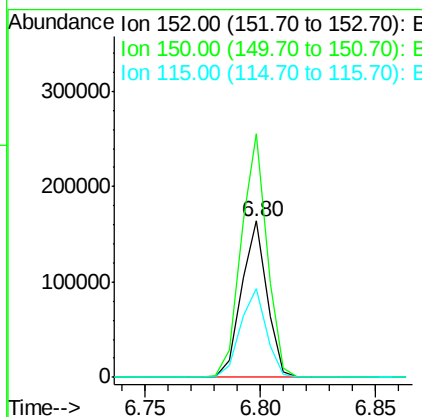
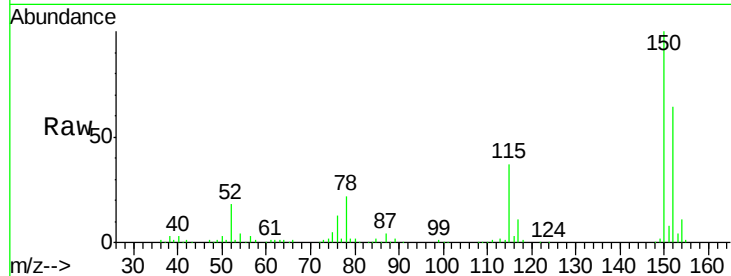


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.80 min Scan# 801  
Delta R.T. -0.01 min  
Lab File: BF120669.D  
Acq: 19 Jun 2020 17:50

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-061720

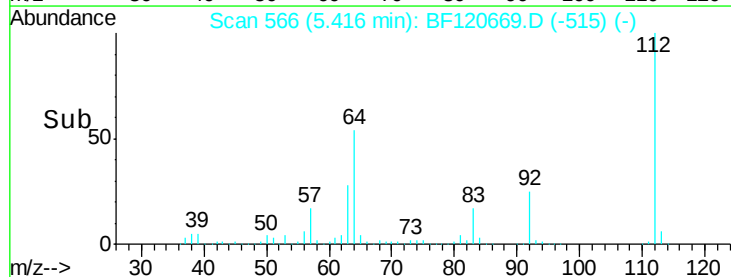
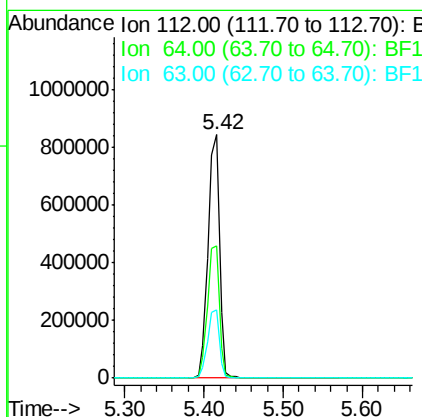
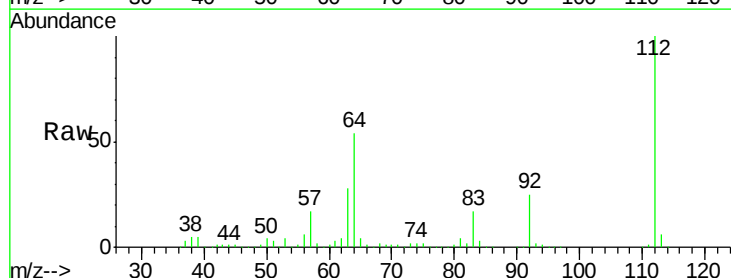
Tot Ion:152 Resp: 126379  
Ion Ratio Lower Upper  
152 100  
150 155.6 123.2 184.8  
115 57.0 43.9 65.9

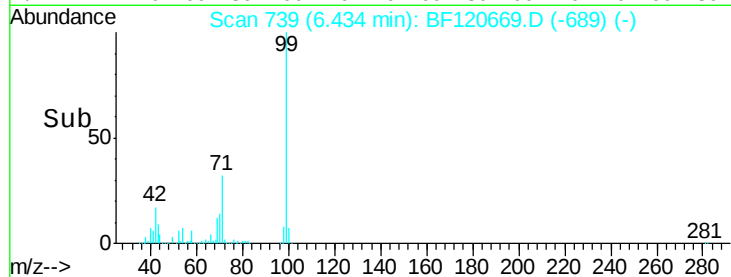
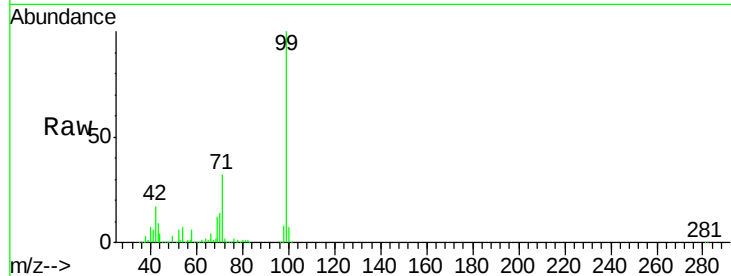
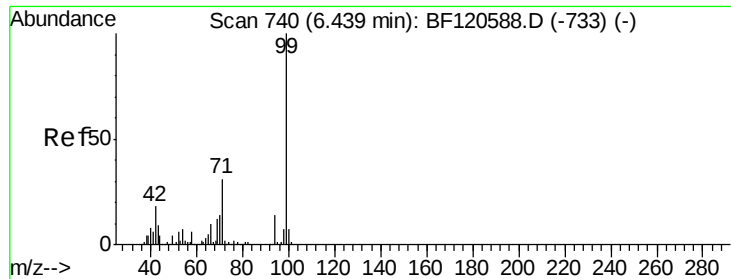


#5

2-Fluorophenol  
Concen: 116.855 ng  
RT: 5.42 min Scan# 566  
Delta R.T. 0.00 min  
Lab File: BF120669.D  
Acq: 19 Jun 2020 17:50

Tgt Ion:112 Resp: 861385  
Ion Ratio Lower Upper  
112 100  
64 54.2 46.1 69.1  
63 27.9 23.7 35.5





#7

Phenol-d6

Concen: 98.935 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF120669.D

Acq: 19 Jun 2020 17:50

Instrument :

BNA\_F

ClientSampleId :

HD-01-061720

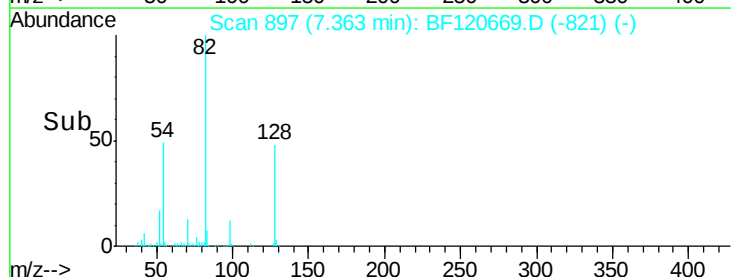
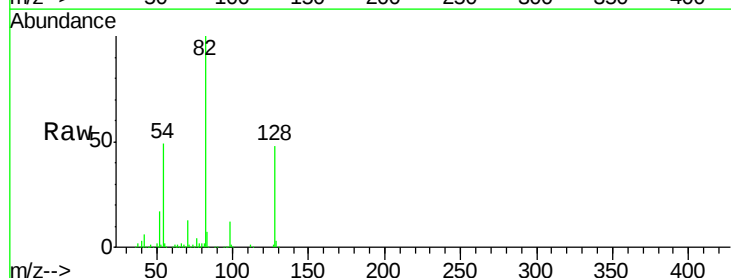
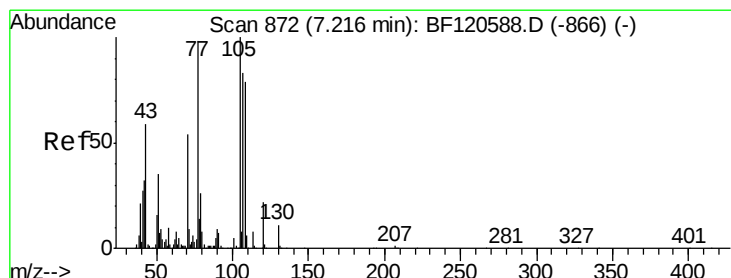
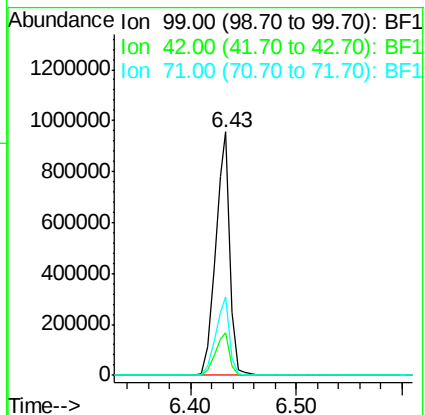
Tot Ion: 99 Resp: 908331

Ion Ratio Lower Upper

99 100

42 17.5 14.0 21.0

71 32.2 24.9 37.3



#19

n-Nitroso-di-n-propylamine

Concen: 17.331 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF120669.D

Acq: 19 Jun 2020 17:50

Tgt Ion: 70 Resp: 92300

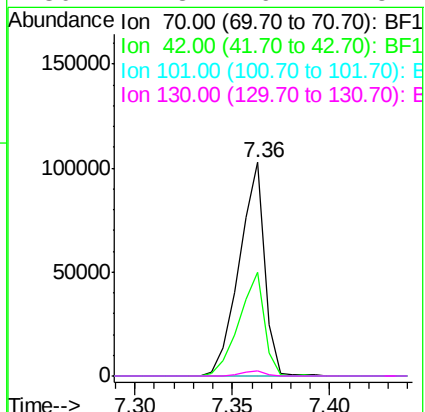
Ion Ratio Lower Upper

70 100

42 48.3 47.7 71.5

101 0.0 7.6 11.4#

130 2.3 16.7 25.1#

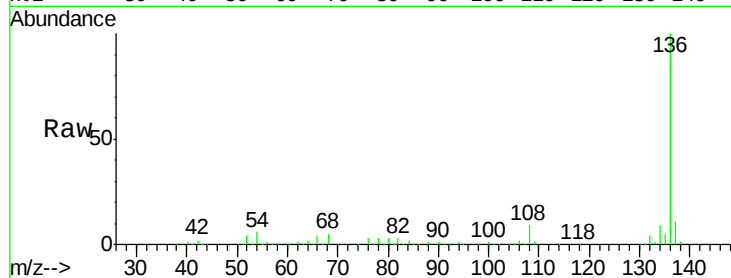




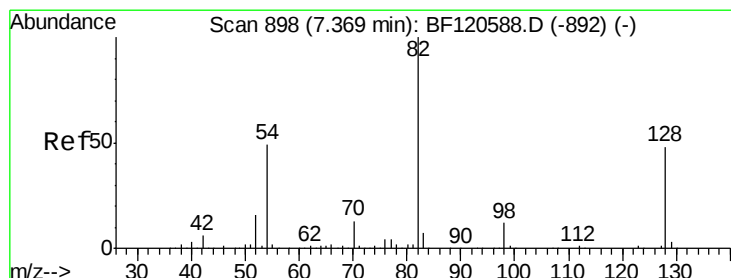
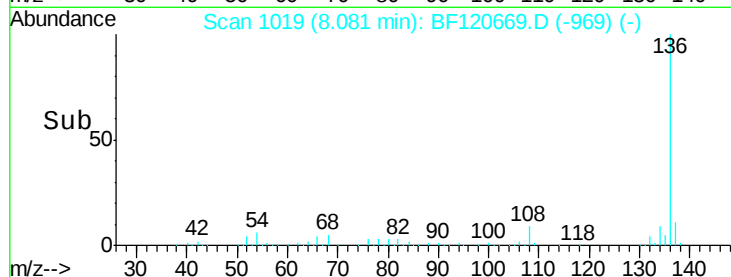
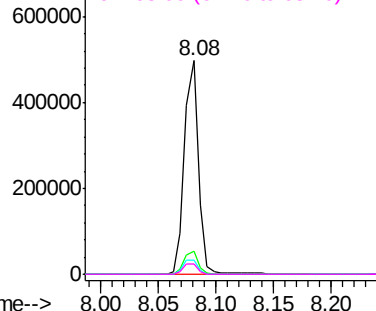
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.08 min Scan# 1019  
Delta R.T. -0.01 min  
Lab File: BF120669.D  
Acq: 19 Jun 2020 17:50

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-061720

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 423038      |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 10.7  | 8.6 13.0    |
| 54          | 6.5   | 5.8 8.6     |
| 68          | 5.1   | 4.4 6.6     |

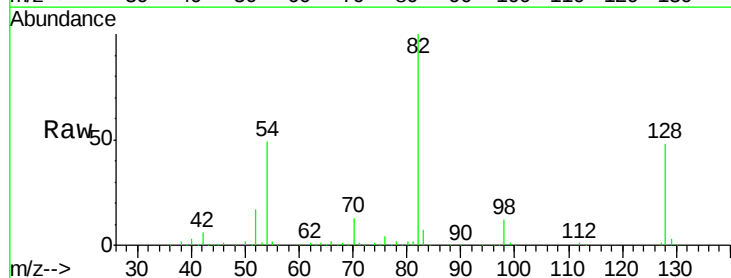


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

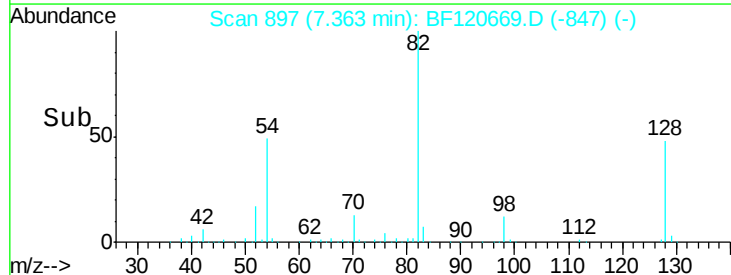
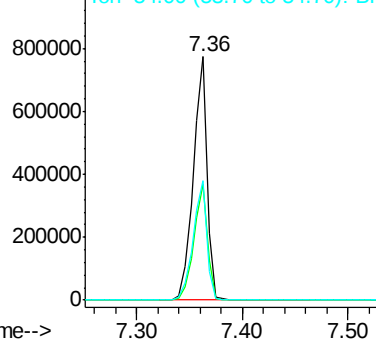


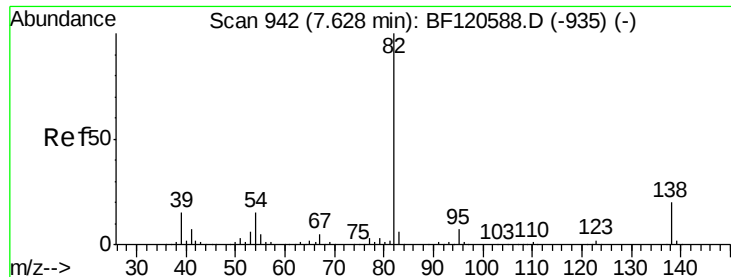
#23  
Nitrobenzene-d5  
Concen: 93.521 ng  
RT: 7.36 min Scan# 897  
Delta R.T. -0.01 min  
Lab File: BF120669.D  
Acq: 19 Jun 2020 17:50

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 82 | Resp: | 707783      |
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 47.5  | 38.0 57.0   |
| 54          | 49.0  | 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

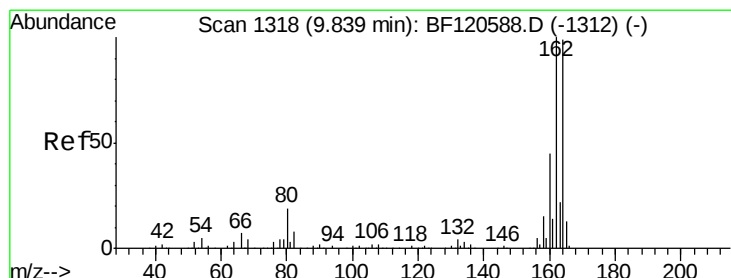
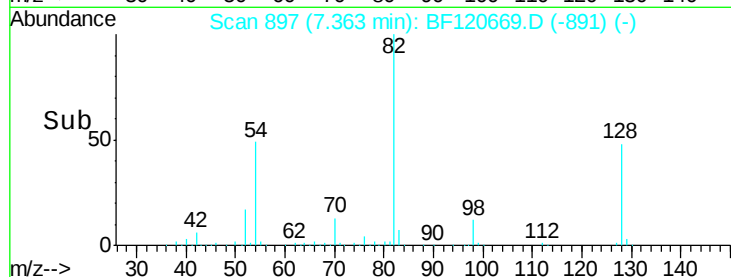
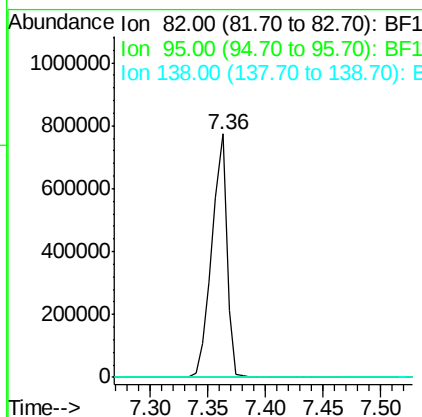
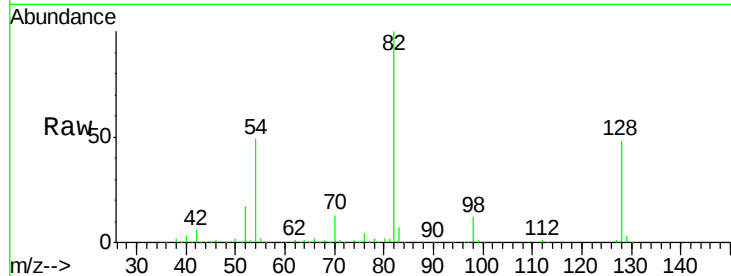




#25  
Isophorone  
Concen: 47.759 ng  
RT: 7.36 min Scan# 897  
Delta R.T. -0.26 min  
Lab File: BF120669.D  
Acq: 19 Jun 2020 17:50

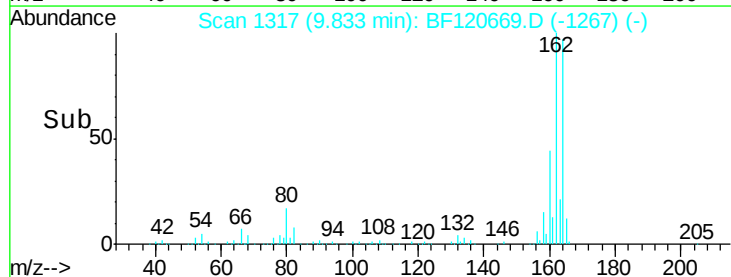
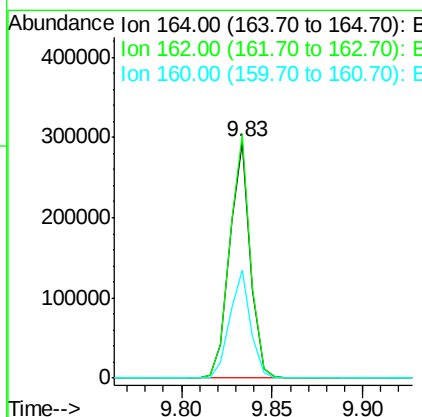
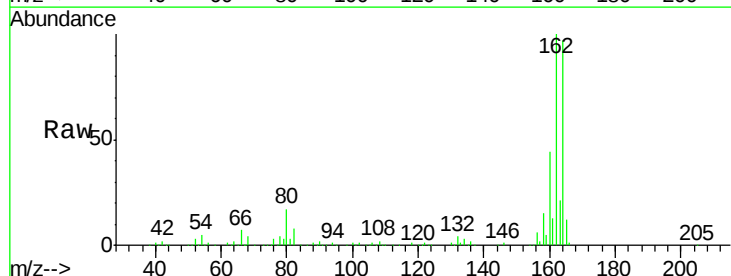
Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-061720

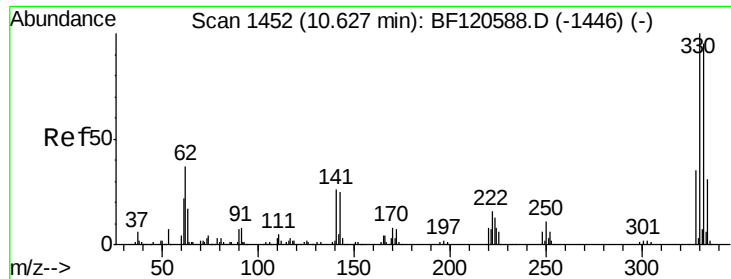
Tot Ion: 82 Resp: 704094  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.7 8.5#  
138 0.0 16.2 24.4#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.83 min Scan# 1317  
Delta R.T. -0.01 min  
Lab File: BF120669.D  
Acq: 19 Jun 2020 17:50

Tgt Ion:164 Resp: 233922  
Ion Ratio Lower Upper  
164 100  
162 102.9 80.6 120.8  
160 45.6 36.2 54.2





#42

2,4,6-Tribromophenol

Concen: 141.815 ng

RT: 10.63 min Scan# 1452

Delta R.T. 0.00 min

Lab File: BF120669.D

Acq: 19 Jun 2020 17:50

Instrument :

BNA\_F

ClientSampleId :

HD-01-061720

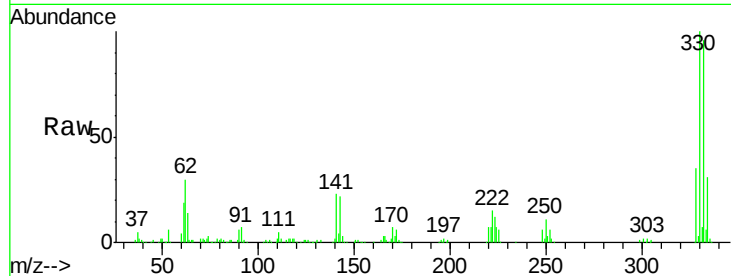
Tot Ion:330 Resp: 385689

Ion Ratio Lower Upper

330 100

332 96.7 76.8 115.2

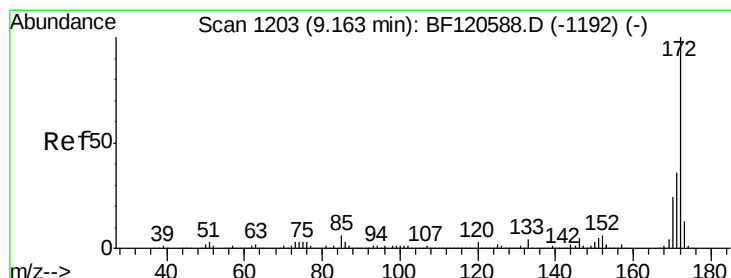
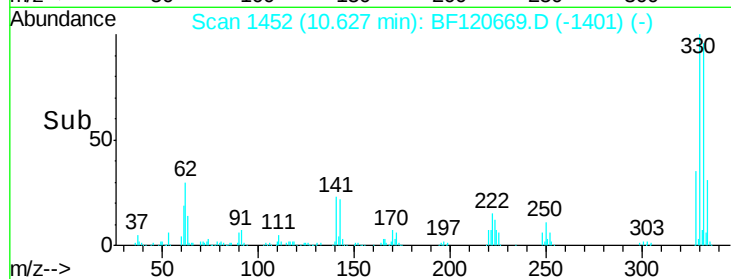
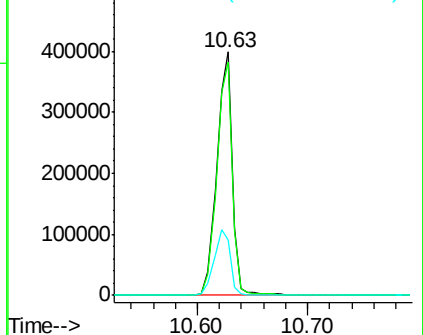
141 28.6 23.2 34.8



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: 88.951 ng

RT: 9.16 min Scan# 1202

Delta R.T. -0.01 min

Lab File: BF120669.D

Acq: 19 Jun 2020 17:50

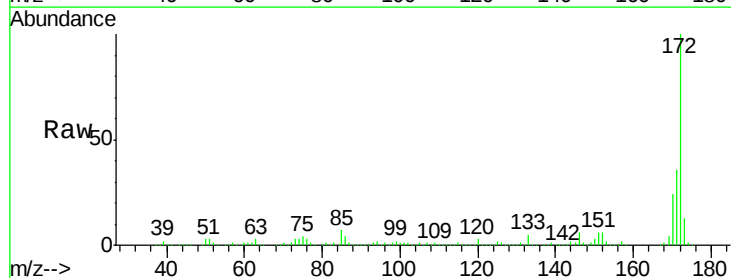
Tgt Ion:172 Resp: 1359983

Ion Ratio Lower Upper

172 100

171 36.0 29.0 43.4

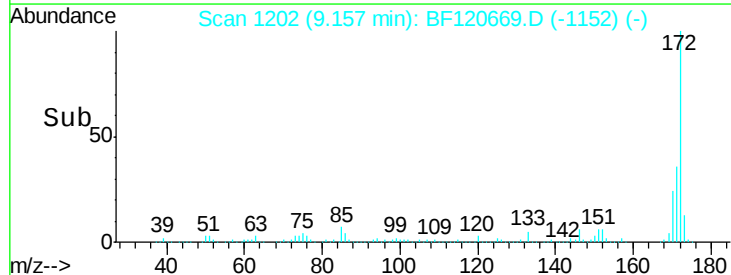
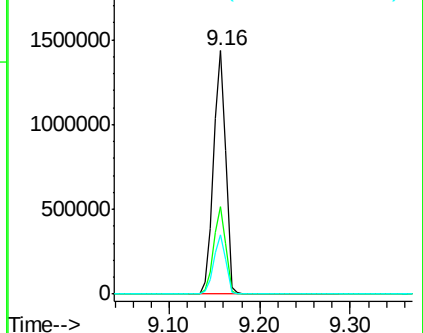
170 24.3 19.4 29.2

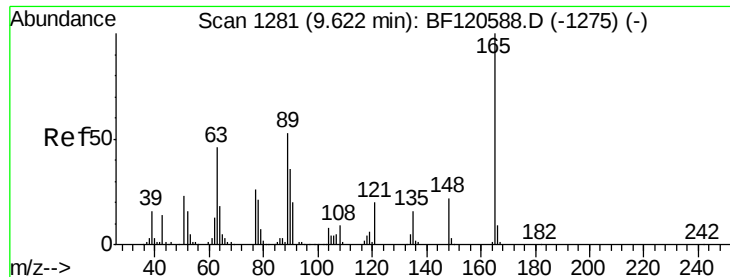


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

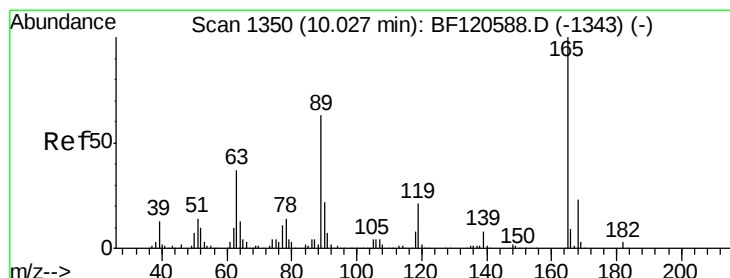
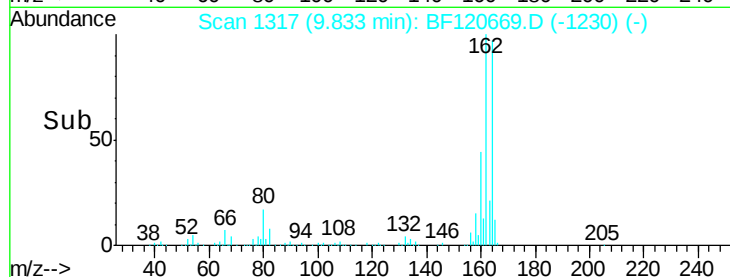
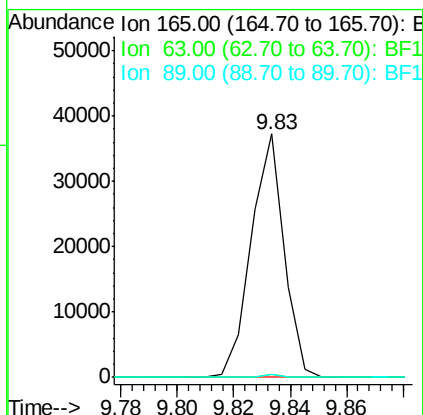
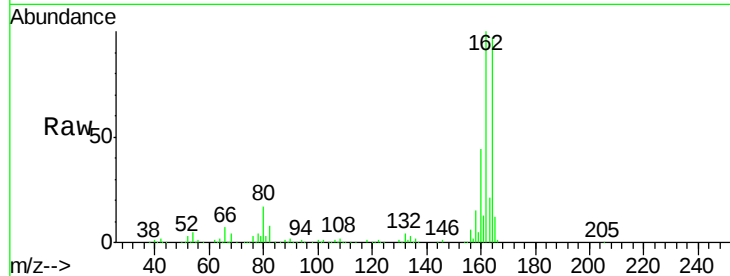




#51  
 2,6-Dinitrotoluene  
 Concen: 7.850 ng  
 RT: 9.83 min Scan# 1317  
 Delta R.T. 0.21 min  
 Lab File: BF120669.D  
 Acq: 19 Jun 2020 17:50

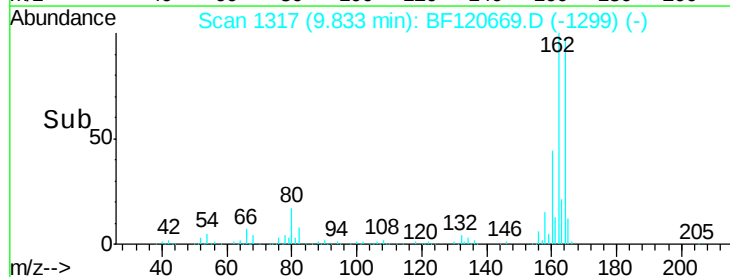
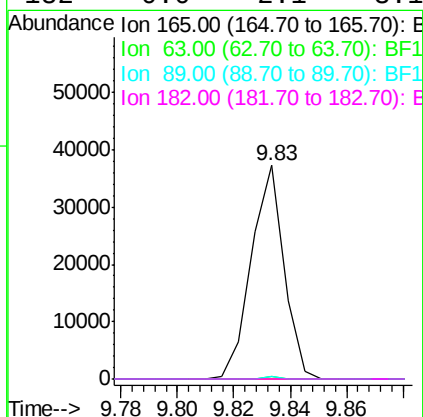
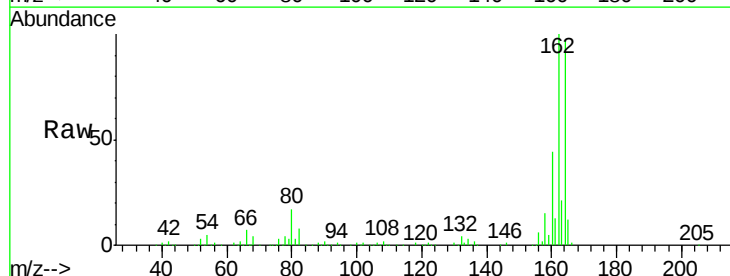
Instrument :  
 BNA\_F  
 ClientSampleId :  
 HD-01-061720

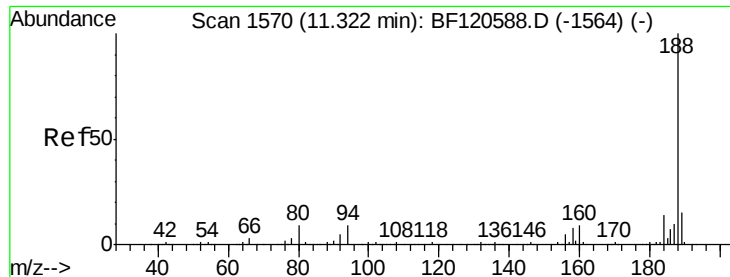
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.2   | 41.7  | 62.5# |
| 89      | 1.2   | 42.6  | 64.0# |



#57  
 2,4-Dinitrotoluene  
 Concen: 5.916 ng  
 RT: 9.83 min Scan# 1317  
 Delta R.T. -0.19 min  
 Lab File: BF120669.D  
 Acq: 19 Jun 2020 17:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.2   | 29.8  | 44.8# |
| 89      | 1.2   | 50.4  | 75.6# |
| 182     | 0.0   | 2.1   | 3.1#  |





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF120669.D

Acq: 19 Jun 2020 17:50

Instrument :

BNA\_F

ClientSampleId :

HD-01-061720

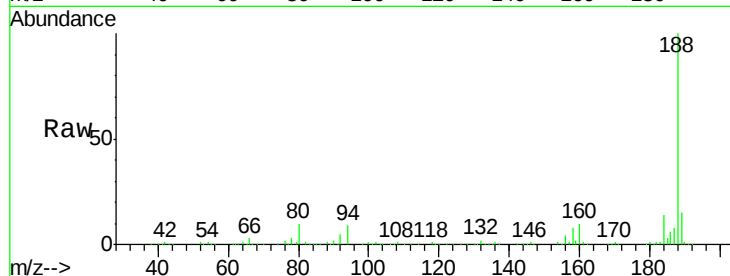
Tot Ion:188 Resp: 481970

Ion Ratio Lower Upper

188 100

94 9.3 7.2 10.8

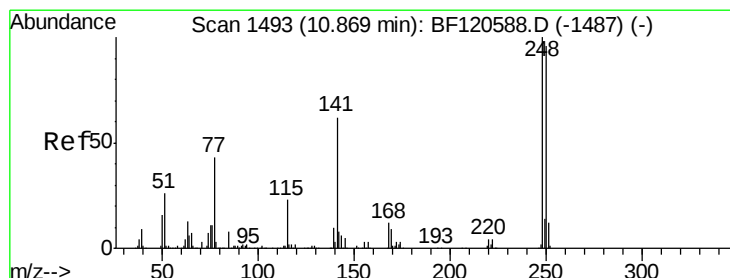
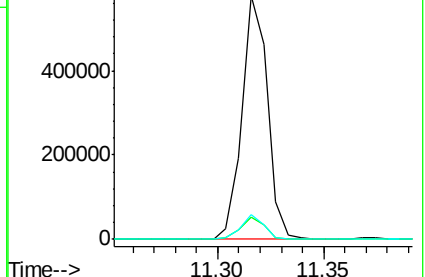
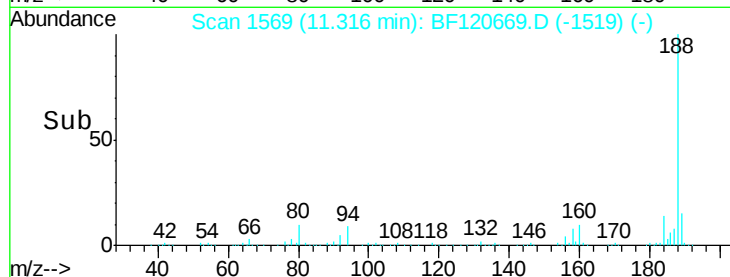
80 9.9 7.4 11.2



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: 4.202 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.24 min

Lab File: BF120669.D

Acq: 19 Jun 2020 17:50

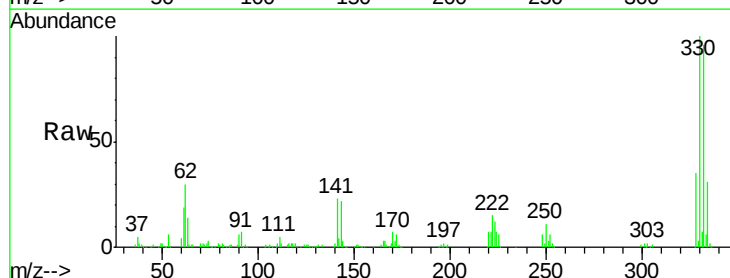
Tgt Ion:248 Resp: 22986

Ion Ratio Lower Upper

248 100

250 198.9 76.7 115.1#

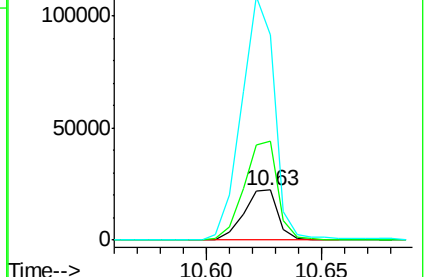
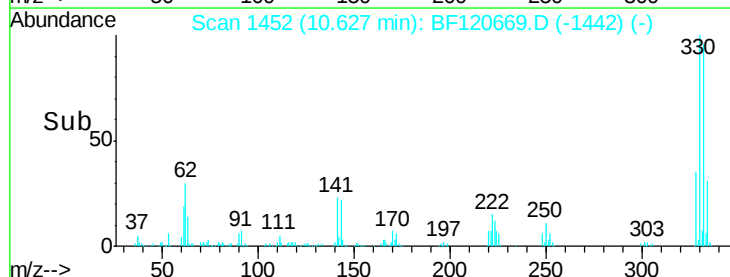
141 410.7 49.4 74.0#

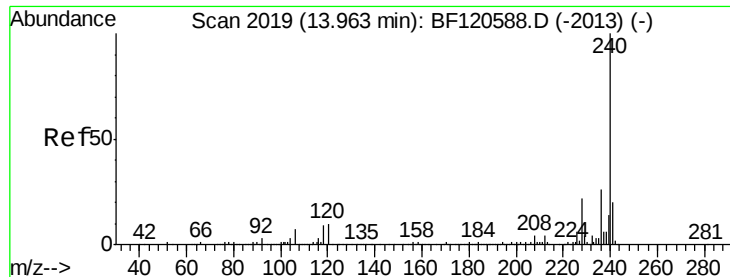


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

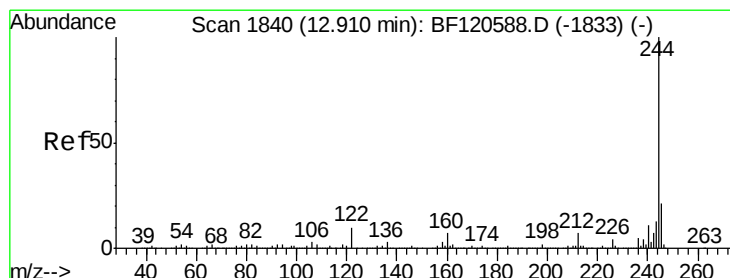
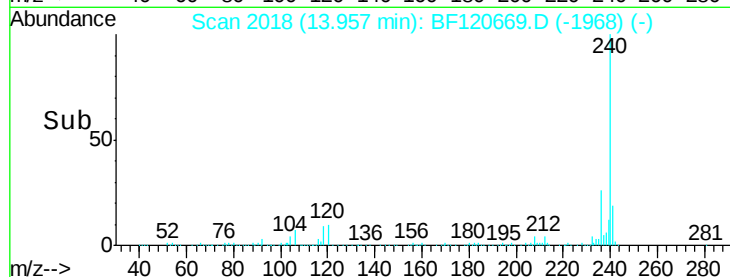
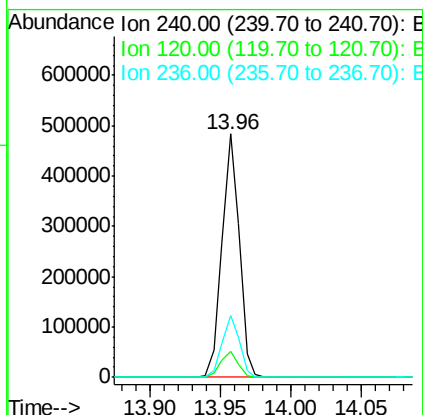
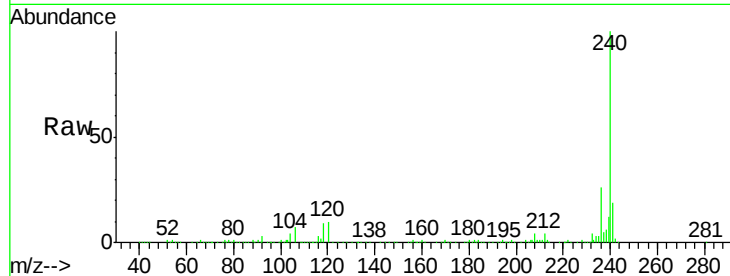




#76  
 Chrvsene-d12  
 Concen: 20.000 ng  
 RT: 13.96 min Scan# 2018  
 Delta R.T. -0.01 min  
 Lab File: BF120669.D  
 Acq: 19 Jun 2020 17:50

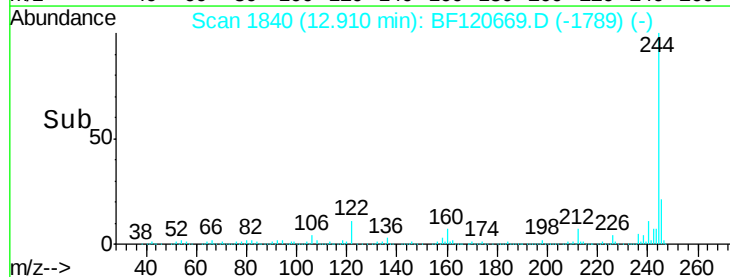
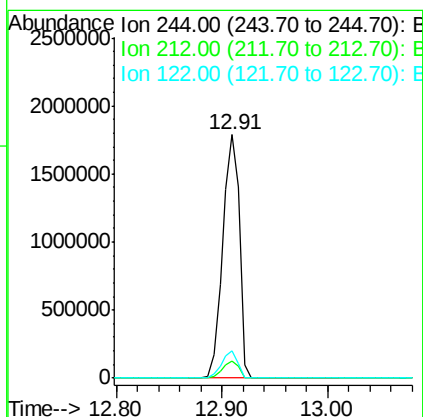
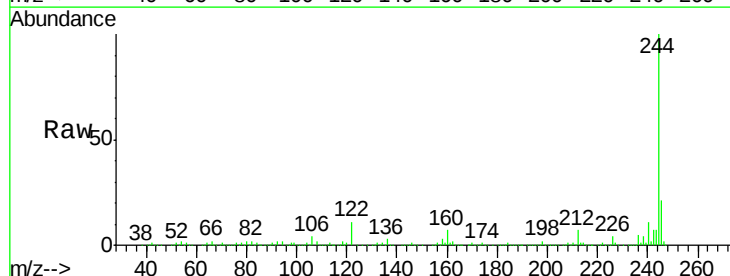
Instrument :  
 BNA\_F  
 ClientSampleId :  
 HD-01-061720

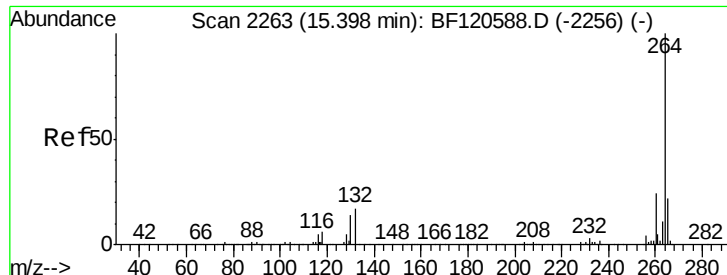
Tot Ion:240 Resp: 413158  
 Ion Ratio Lower Upper  
 240 100  
 120 10.5 8.3 12.5  
 236 25.5 21.0 31.4



#79  
 Terphenyl-d14  
 Concen: 105.323 ng  
 RT: 12.91 min Scan# 1840  
 Delta R.T. 0.00 min  
 Lab File: BF120669.D  
 Acq: 19 Jun 2020 17:50

Tgt Ion:244 Resp: 1970000  
 Ion Ratio Lower Upper  
 244 100  
 212 6.9 5.7 8.5  
 122 11.0 8.3 12.5

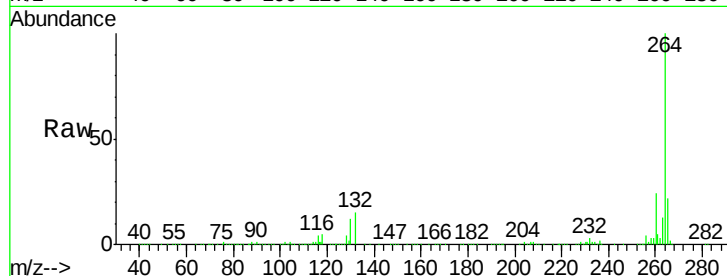




#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.40 min Scan# 2264  
Delta R.T. 0.01 min  
Lab File: BF120669.D  
Acq: 19 Jun 2020 17:50

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-061720

Tot Ion:264 Resp: 466225  
Ion Ratio Lower Upper  
264 100  
260 23.8 19.3 28.9  
265 21.8 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

