

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF033120\  
 Data File : BF119655.D  
 Acq On : 31 Mar 2020 16:47  
 Operator : MA/SJ  
 Sample : L2042-04  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-04-5.5-6.0

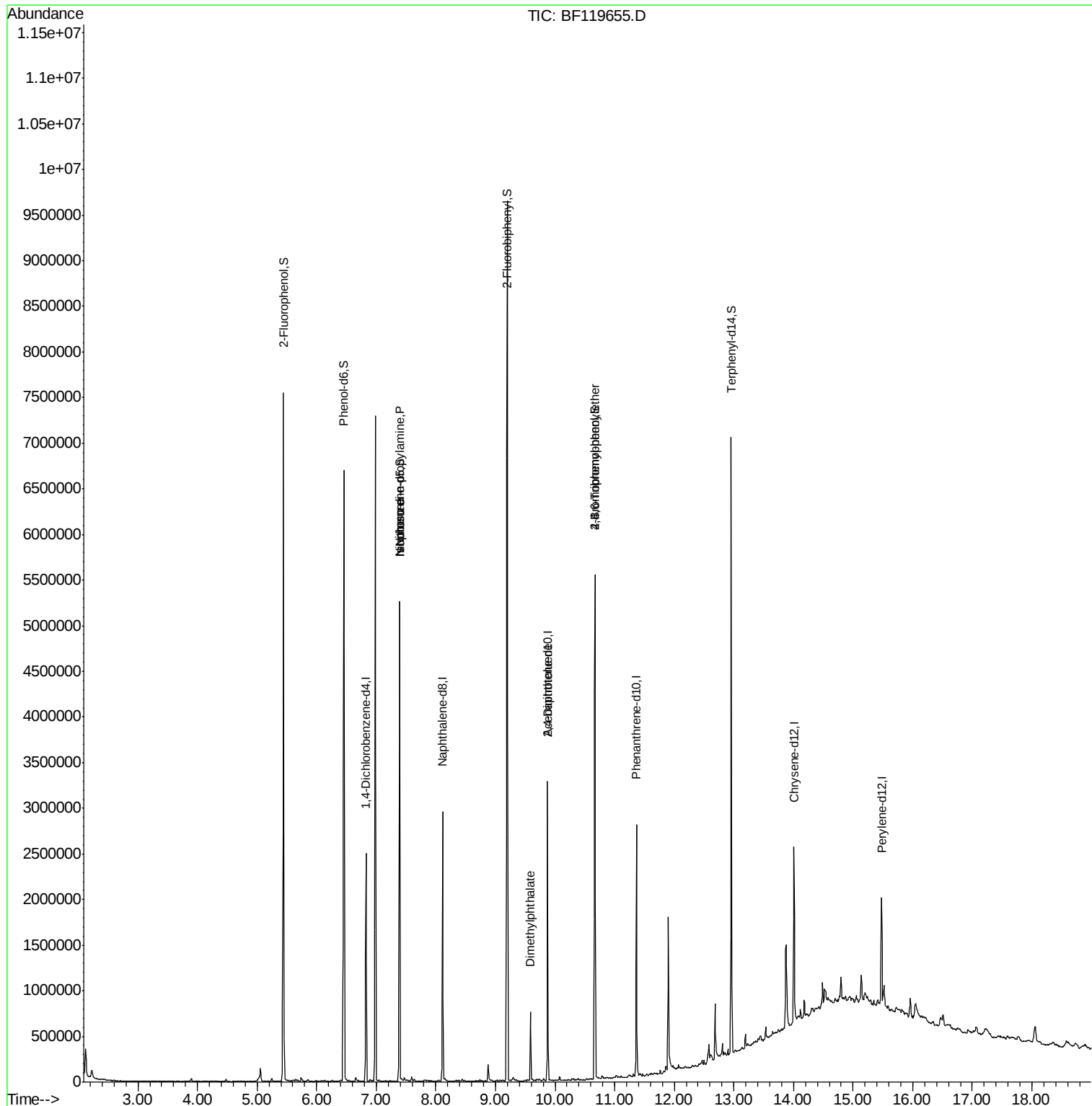
Quant Time: Mar 31 17:35:36 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 31 14:11:44 2020  
 Response via : Initial Calibration

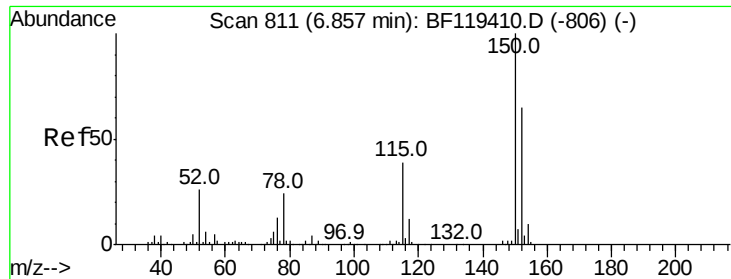
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.83  | 152  | 336271   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.12  | 136  | 1273855  | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.87  | 164  | 619682   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.36 | 188  | 1042649  | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 14.01 | 240  | 613194   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 15.48 | 264  | 600203   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.45  | 112  | 2182294  | 103.31 | ng    | 0.01     |
| 7) Phenol-d6                   | 6.46  | 99   | 2743462  | 101.67 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.39  | 82   | 1704307  | 72.71  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.67 | 330  | 662443   | 103.62 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.20  | 172  | 2918302  | 69.77  | ng    | 0.00     |
| 79) Terphenyl-d14              | 12.96 | 244  | 2576159  | 82.31  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.39  | 70   | 227202   | 13.969 | ng    | # 74     |
| 25) Isophorone                 | 7.39  | 82   | 1680174  | 35.337 | ng    | # 65     |
| 50) Dimethylphthalate          | 9.59  | 163  | 287819   | 6.539  | ng    | 99       |
| 57) 2,4-Dinitrotoluene         | 9.87  | 165  | 78945    | 6.642  | ng    | # 20     |
| 67) 4-Bromophenyl-phenylether  | 10.67 | 248  | 39010    | 3.285  | ng    | # 1      |

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

```
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Data File : BF119655.D  
Acq On    : 31 Mar 2020 16:47  
Operator  : MA/SJ  
Sample    : L2042-04  
Misc      :  
ALS Vial  : 9      Sample Multiplier: 1
```

Quant Time: Mar 31 17:35:36 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Mar 31 14:11:44 2020  
Response via : Initial Calibration



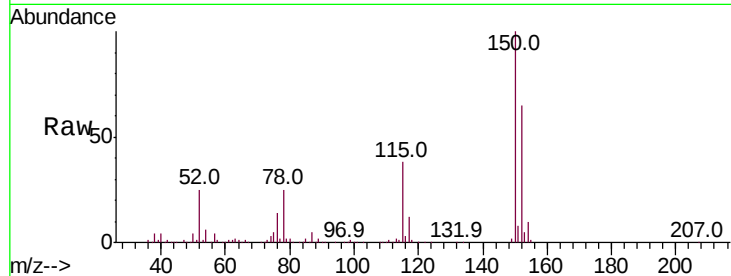


#1

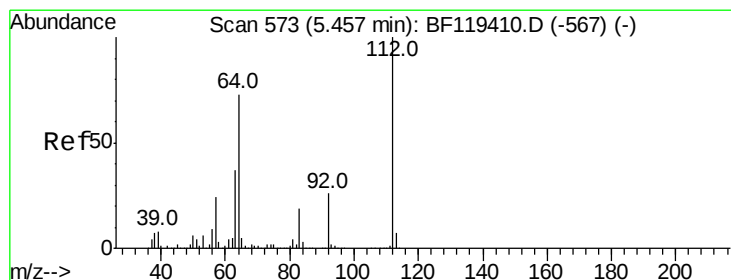
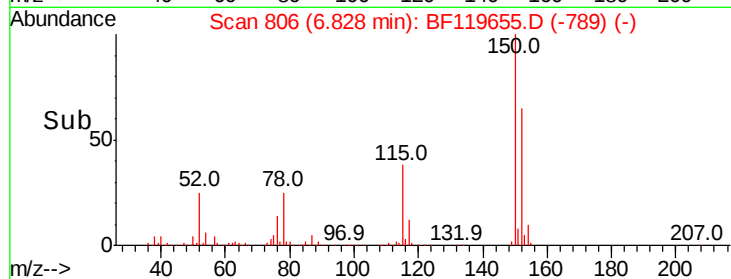
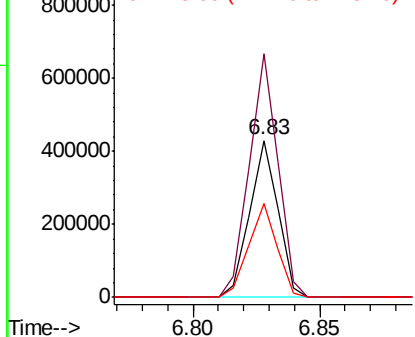
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.83 min Scan# 806  
Delta R.T. -0.00 min  
Lab File: BF119655.D  
Acq: 31 Mar 2020 16:47

Instrument :  
BNA\_F  
ClientSampleId :  
SB-04-5.5-6.0

Tot Ion:152 Resp: 336271  
Ion Ratio Lower Upper  
152 100  
150 154.9 124.5 186.7  
115 59.6 49.6 74.4



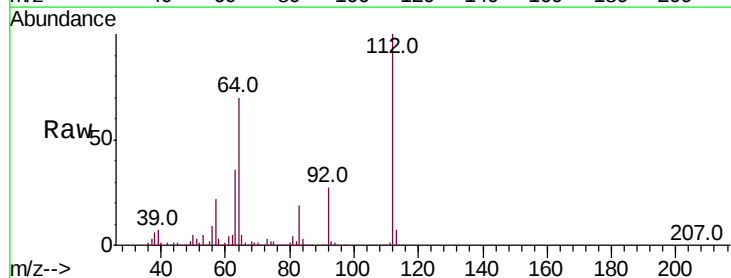
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



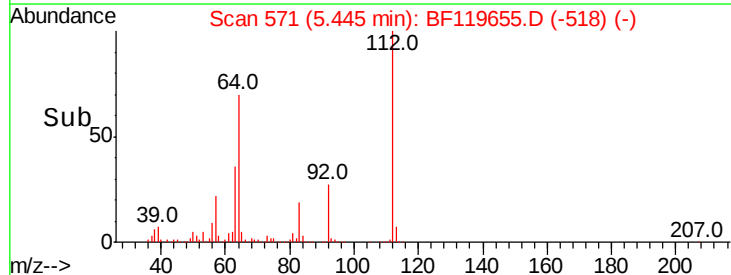
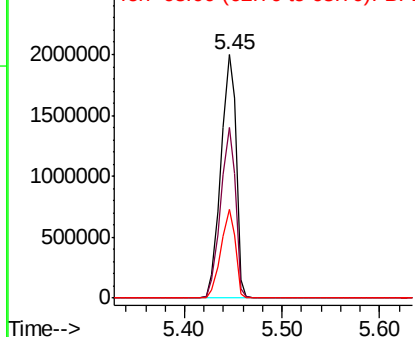
#5

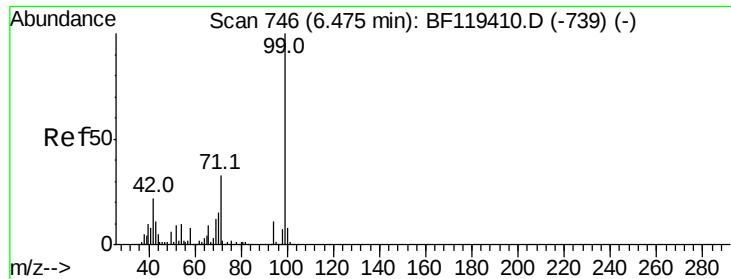
2-Fluorophenol  
Concen: 103.310 ng  
RT: 5.45 min Scan# 571  
Delta R.T. 0.01 min  
Lab File: BF119655.D  
Acq: 31 Mar 2020 16:47

Tgt Ion:112 Resp: 2182294  
Ion Ratio Lower Upper  
112 100  
64 70.3 56.7 85.1  
63 36.4 29.5 44.3



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: 101.669 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.00 min

Lab File: BF119655.D

Acq: 31 Mar 2020 16:47

Instrument :

BNA\_F

ClientSampleId :

SB-04-5.5-6.0

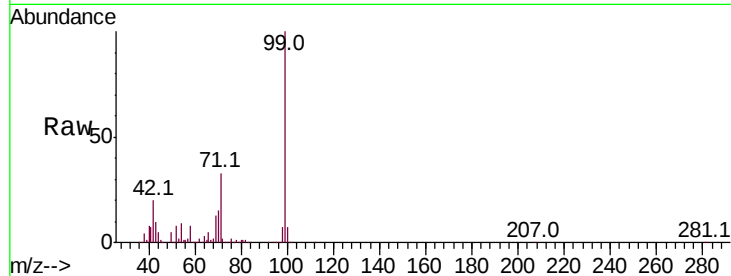
Tot Ion: 99 Resp: 2743462

Ion Ratio Lower Upper

99 100

42 20.4 16.6 24.8

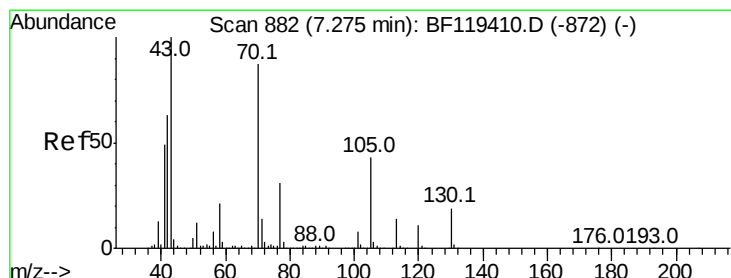
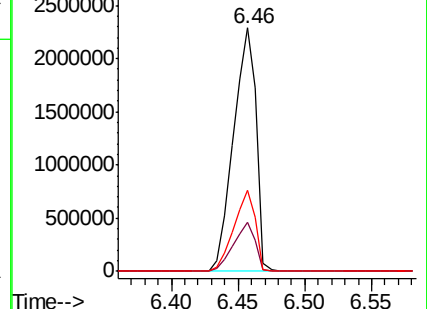
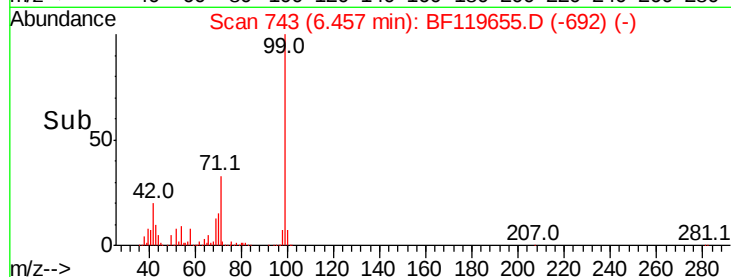
71 33.3 26.4 39.6



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: 13.969 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.14 min

Lab File: BF119655.D

Acq: 31 Mar 2020 16:47

Tgt Ion: 70 Resp: 227202

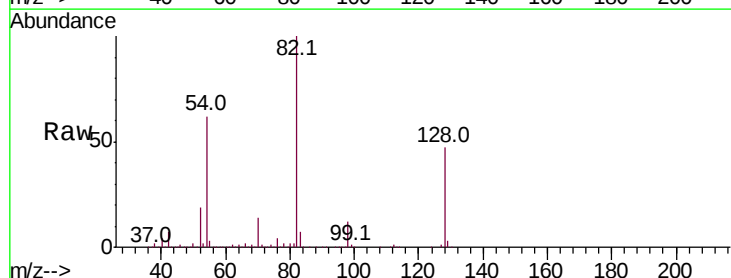
Ion Ratio Lower Upper

70 100

42 50.9 54.5 81.7#

101 0.0 7.6 11.4#

130 2.1 17.6 26.4#

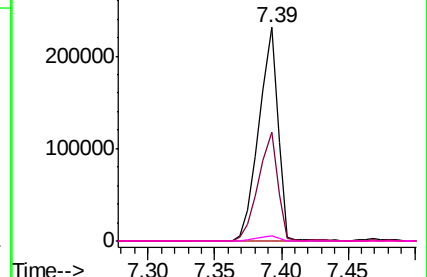
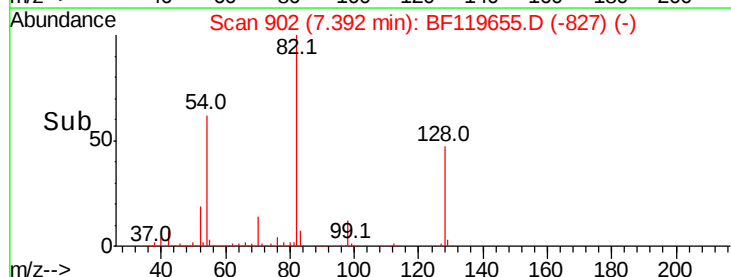


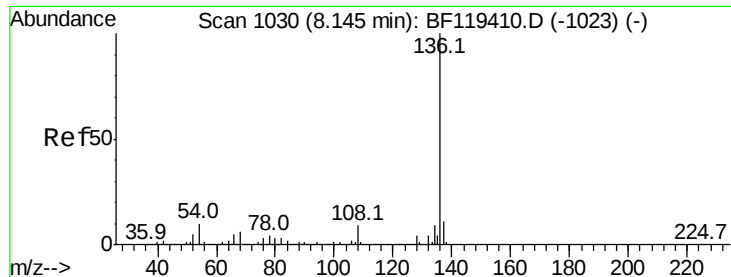
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.12 min Scan# 1025

Delta R.T. -0.00 min

Lab File: BF119655.D

Acq: 31 Mar 2020 16:47

Instrument :

BNA\_F

ClientSampleId :

SB-04-5.5-6.0

Tot Ion:136 Resp: 1273855

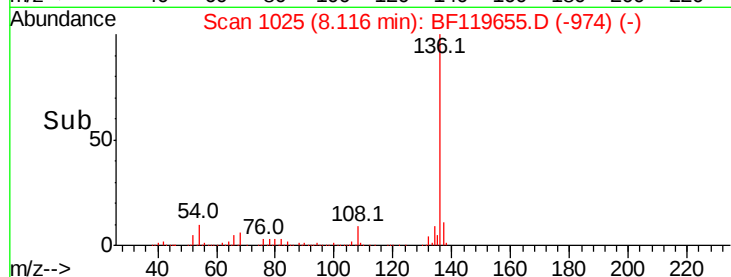
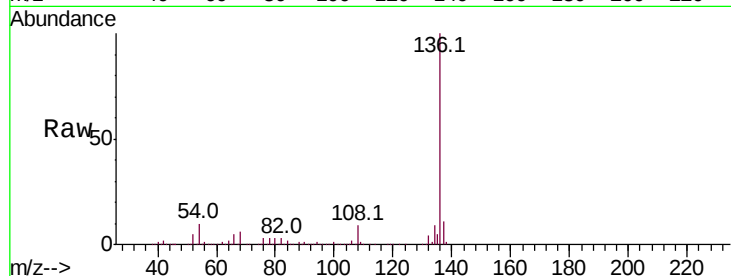
Ion Ratio Lower Upper

136 100

137 10.7 8.7 13.1

54 9.9 9.1 13.7

68 5.9 4.6 6.8

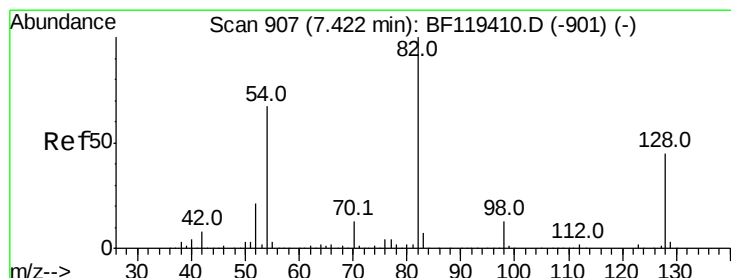
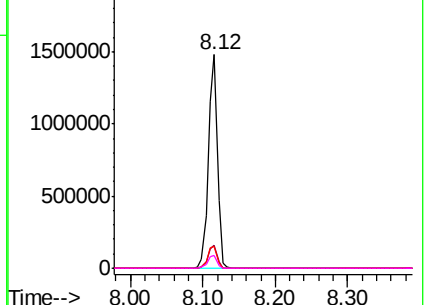


Abundance Ion 136.00 (135.70 to 136.70): E

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: 72.713 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.01 min

Lab File: BF119655.D

Acq: 31 Mar 2020 16:47

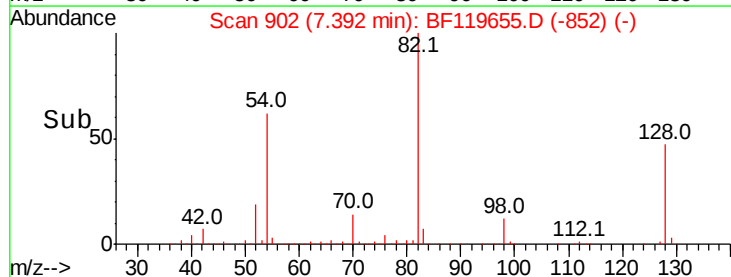
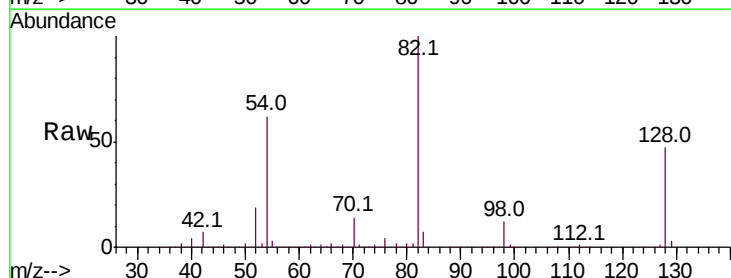
Tgt Ion: 82 Resp: 1704307

Ion Ratio Lower Upper

82 100

128 46.7 36.3 54.5

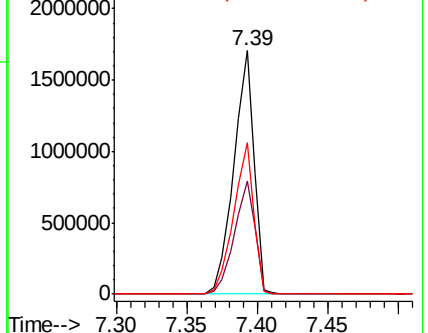
54 62.0 50.6 75.8

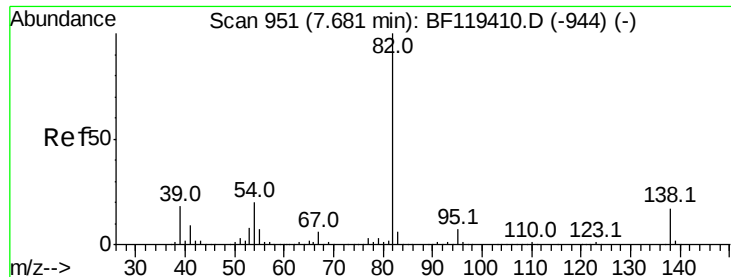


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 35.337 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.26 min

Lab File: BF119655.D

Acq: 31 Mar 2020 16:47

Instrument :

BNA\_F

ClientSampleId :

SB-04-5.5-6.0

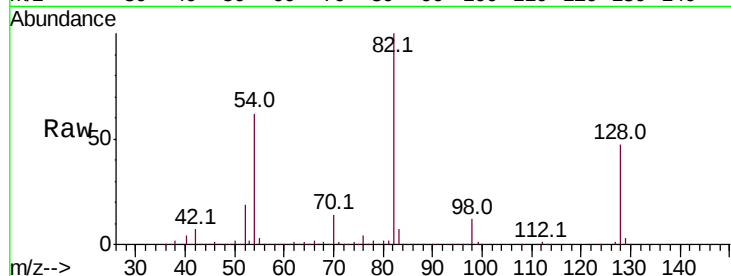
Tot Ion: 82 Resp: 1680174

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

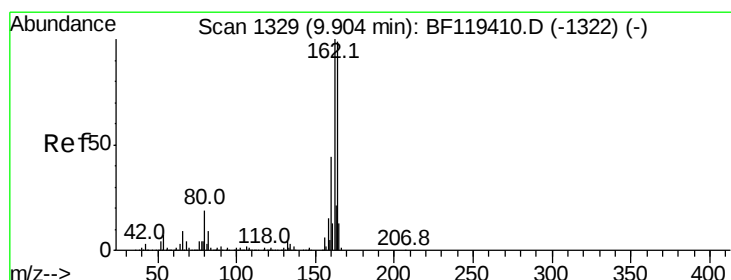
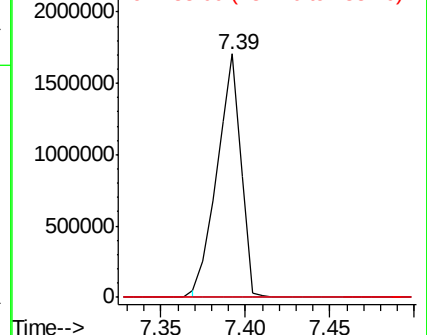
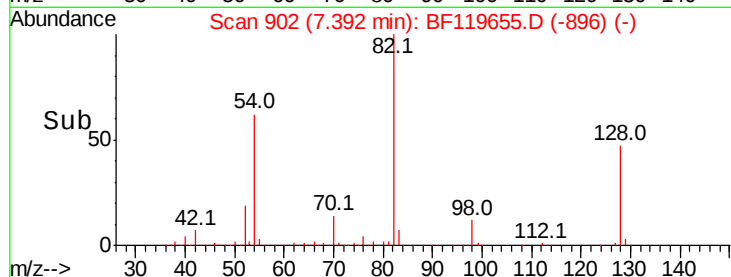
138 0.0 14.6 21.8#



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: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF119655.D

Acq: 31 Mar 2020 16:47

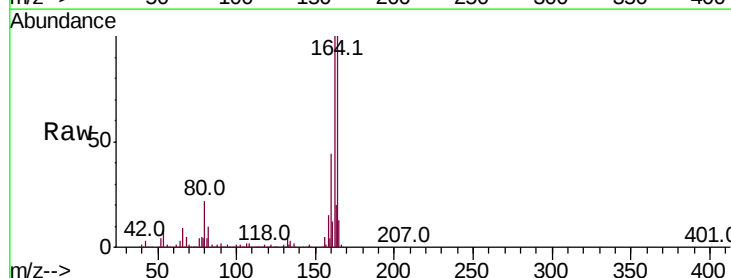
Tgt Ion:164 Resp: 619682

Ion Ratio Lower Upper

164 100

162 100.1 80.6 121.0

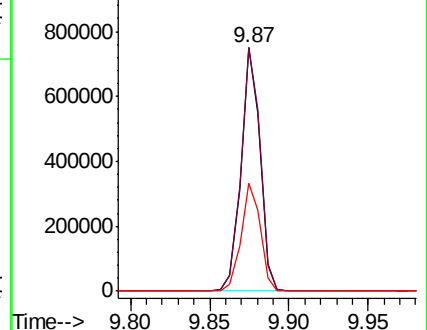
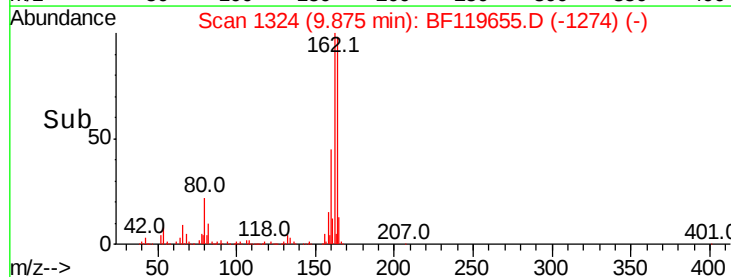
160 44.5 35.7 53.5

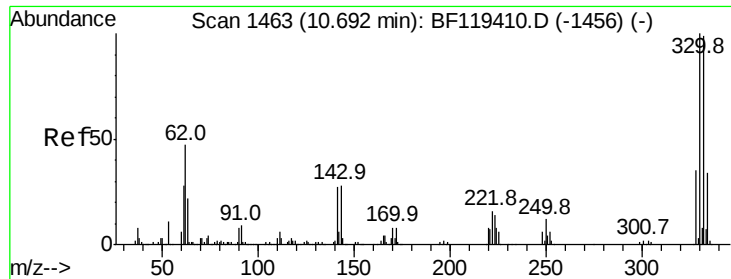


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

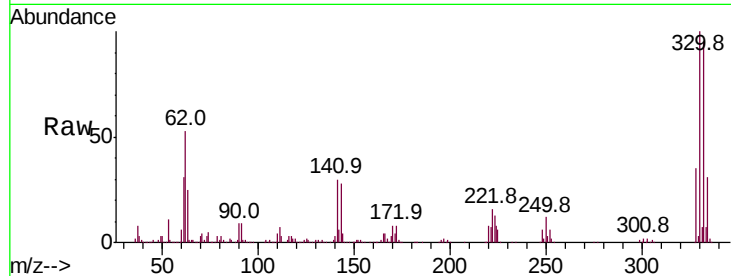




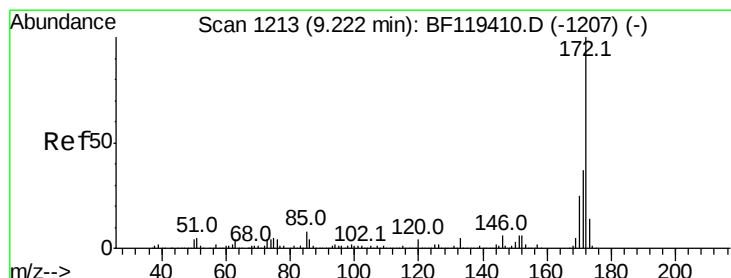
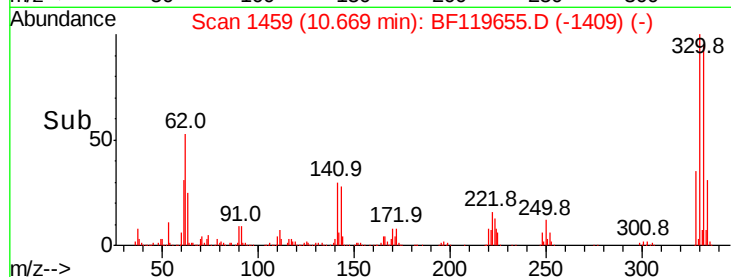
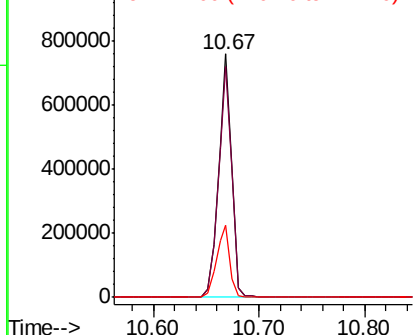
#42  
 2,4,6-Tribromophenol  
 Concen: 103.619 ng  
 RT: 10.67 min Scan# 1459  
 Delta R.T. -0.01 min  
 Lab File: BF119655.D  
 Acq: 31 Mar 2020 16:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-04-5.5-6.0

Tot Ion:330 Resp: 662443  
 Ion Ratio Lower Upper  
 330 100  
 332 97.1 75.7 113.5  
 141 30.1 25.4 38.0

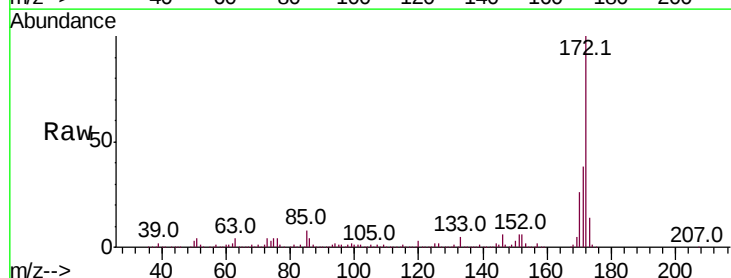


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

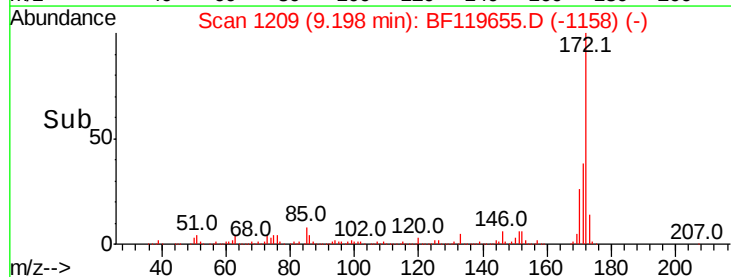
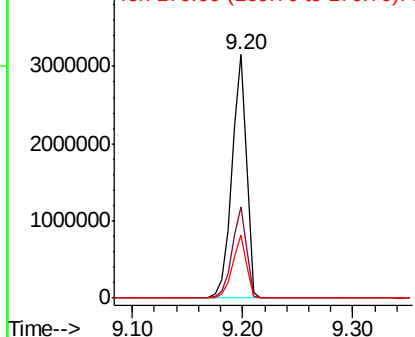


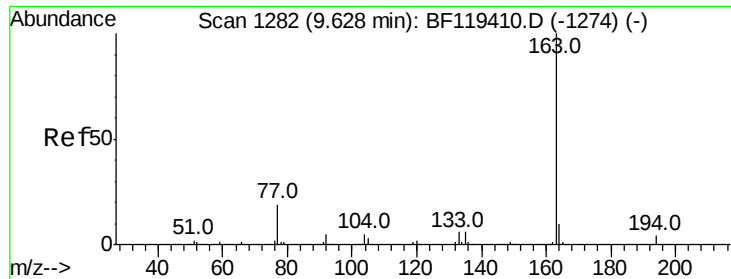
#45  
 2-Fluorobiphenyl  
 Concen: 69.768 ng  
 RT: 9.20 min Scan# 1209  
 Delta R.T. -0.00 min  
 Lab File: BF119655.D  
 Acq: 31 Mar 2020 16:47

Tgt Ion:172 Resp: 2918302  
 Ion Ratio Lower Upper  
 172 100  
 171 37.6 29.6 44.4  
 170 25.7 20.2 30.2



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

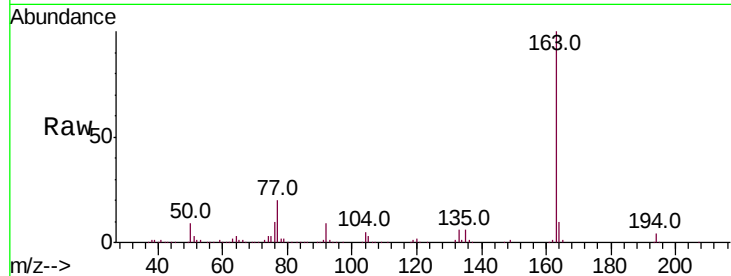




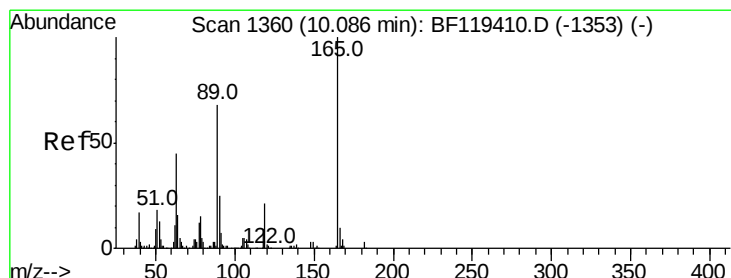
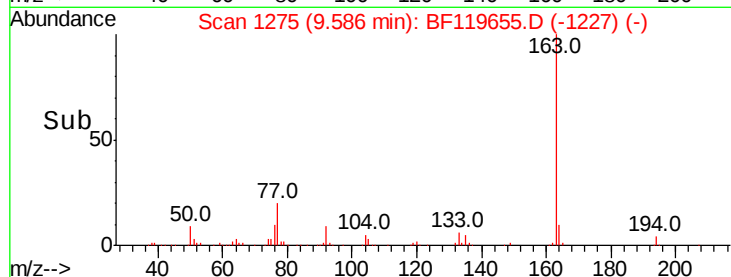
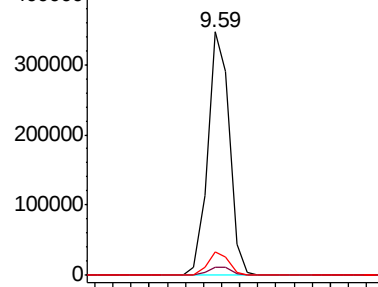
#50  
Dimethylphthalate  
Concen: 6.539 ng  
RT: 9.59 min Scan# 1275  
Delta R.T. -0.02 min  
Lab File: BF119655.D  
Acq: 31 Mar 2020 16:47

Instrument :  
BNA\_F  
ClientSampleId :  
SB-04-5.5-6.0

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.5   | 3.1   | 4.7   |
| 164     | 9.8   | 8.2   | 12.2  |



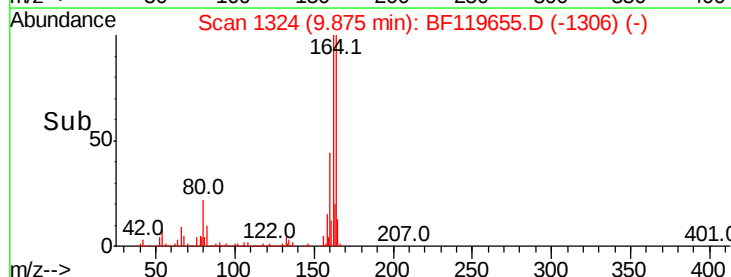
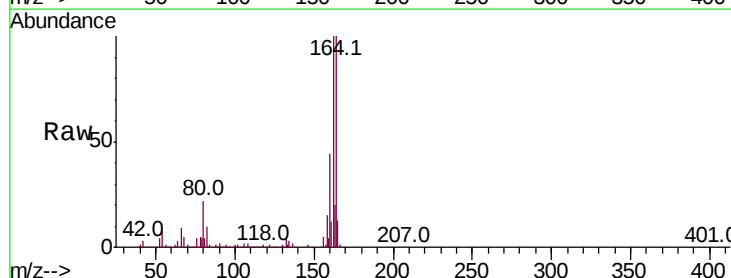
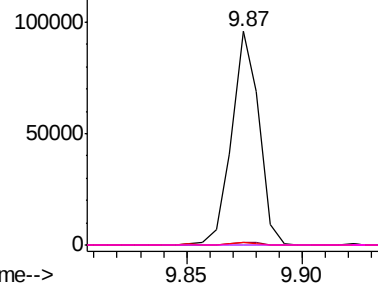
Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

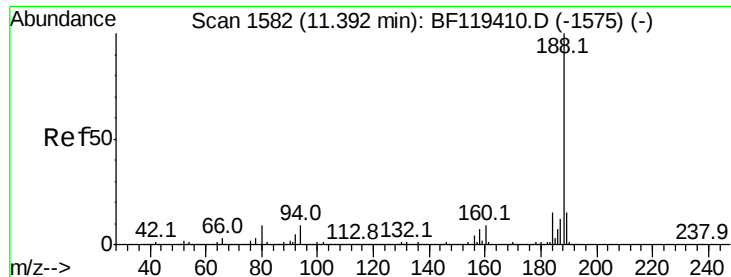


#57  
2,4-Dinitrotoluene  
Concen: 6.642 ng  
RT: 9.87 min Scan# 1324  
Delta R.T. -0.19 min  
Lab File: BF119655.D  
Acq: 31 Mar 2020 16:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.3   | 42.6  | 64.0# |
| 89      | 1.4   | 61.0  | 91.4# |
| 182     | 0.0   | 2.2   | 3.2#  |

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: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF119655.D

Acq: 31 Mar 2020 16:47

Instrument :

BNA\_F

ClientSampleId :

SB-04-5.5-6.0

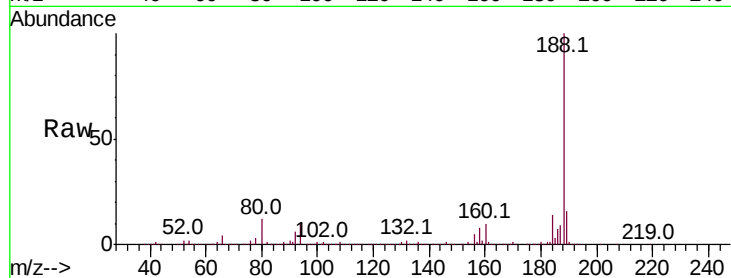
Tot Ion:188 Resp: 1042649

Ion Ratio Lower Upper

188 100

94 10.3 7.5 11.3

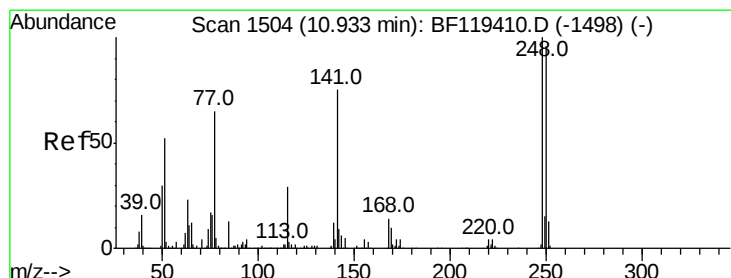
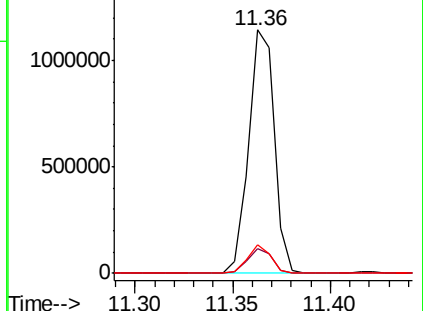
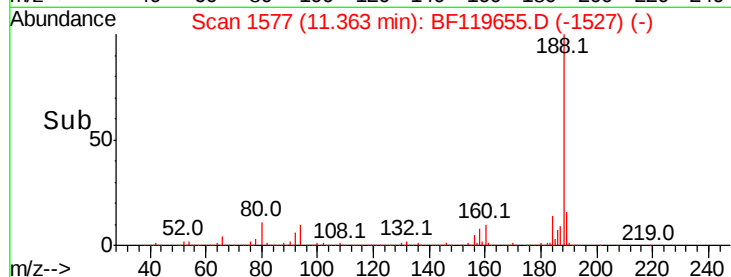
80 11.5 9.0 13.4



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: 3.285 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.25 min

Lab File: BF119655.D

Acq: 31 Mar 2020 16:47

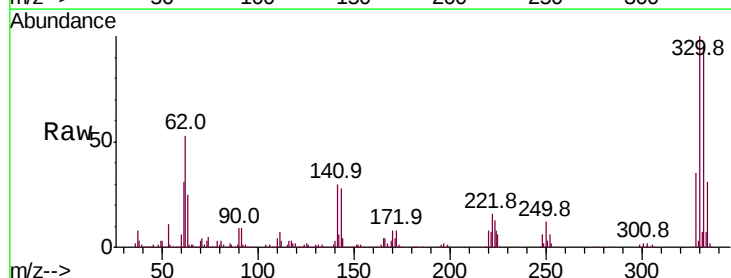
Tgt Ion:248 Resp: 39010

Ion Ratio Lower Upper

248 100

250 200.7 77.3 115.9#

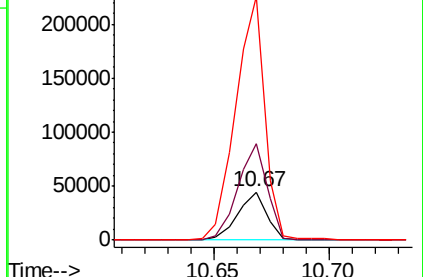
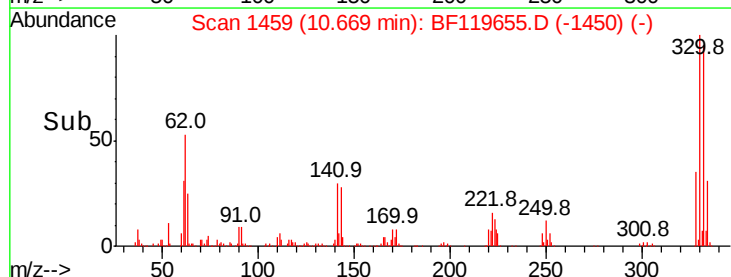
141 506.7 58.6 87.8#

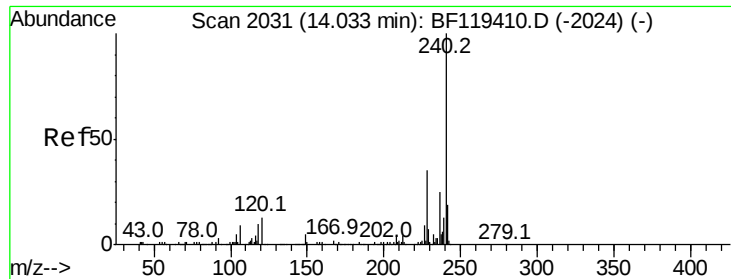


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

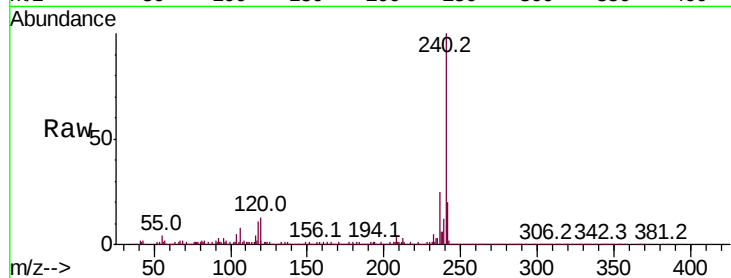




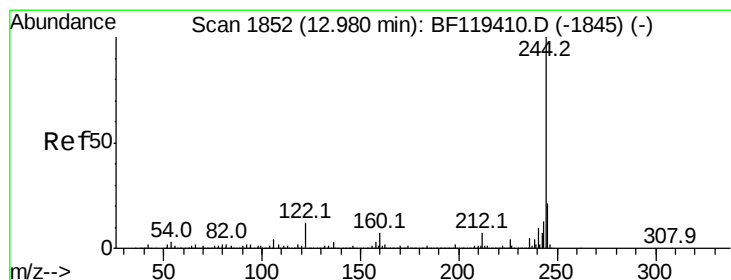
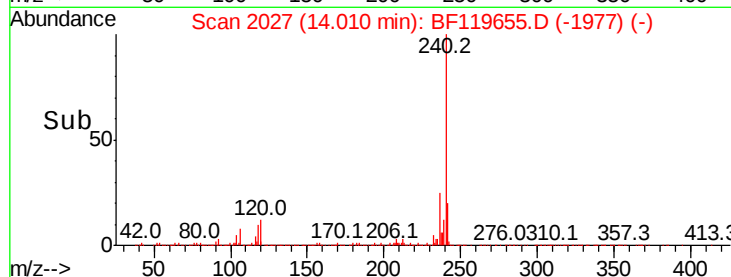
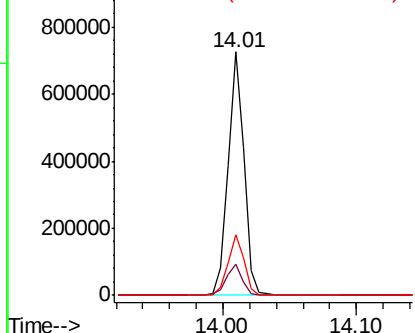
#76  
 Chrvsene-d12  
 Concen: 20.000 ng  
 RT: 14.01 min Scan# 2027  
 Delta R.T. -0.01 min  
 Lab File: BF119655.D  
 Acq: 31 Mar 2020 16:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-04-5.5-6.0

Tot Ion:240 Resp: 613194  
 Ion Ratio Lower Upper  
 240 100  
 120 12.6 10.6 15.8  
 236 25.1 20.2 30.2

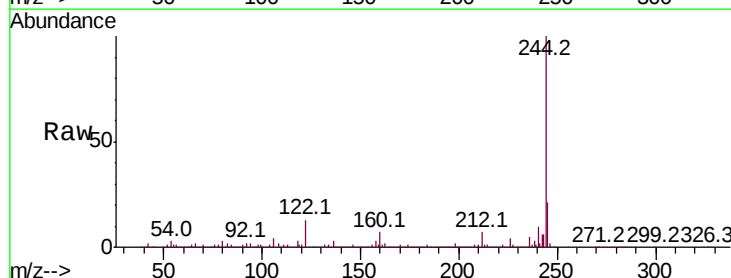


Abundance Ion 240.00 (239.70 to 240.70): E  
 Ion 120.00 (119.70 to 120.70): E  
 Ion 236.00 (235.70 to 236.70): E

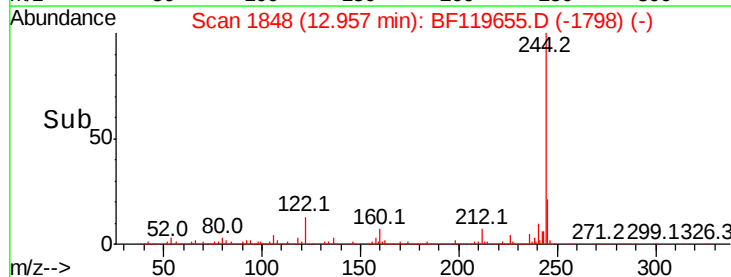
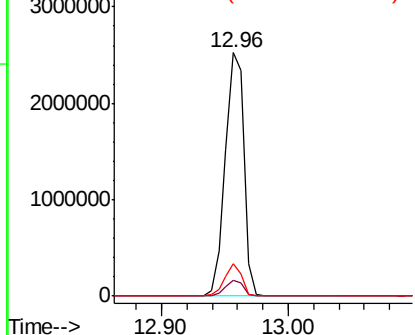


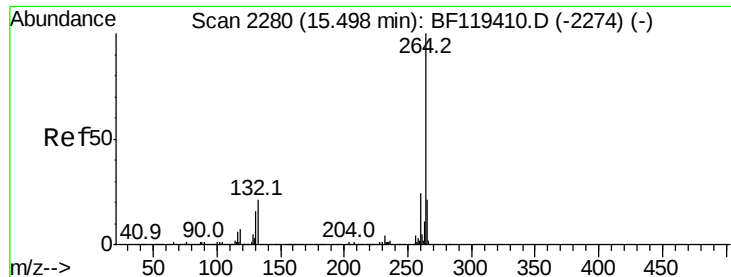
#79  
 Terphenyl-d14  
 Concen: 82.311 ng  
 RT: 12.96 min Scan# 1848  
 Delta R.T. -0.01 min  
 Lab File: BF119655.D  
 Acq: 31 Mar 2020 16:47

Tgt Ion:244 Resp: 2576159  
 Ion Ratio Lower Upper  
 244 100  
 212 6.7 5.8 8.8  
 122 13.5 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: 15.48 min Scan# 2277  
 Delta R.T. -0.00 min  
 Lab File: BF119655.D  
 Acq: 31 Mar 2020 16:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-04-5.5-6.0

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.8  | 18.7  | 28.1  |
| 265     | 21.2  | 17.7  | 26.5  |

