

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF032020\  
 Data File : BF119481.D  
 Acq On : 20 Mar 2020 19:43  
 Operator : CG/JU  
 Sample : L1749-03  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BU-02-031920

Quant Time: Mar 20 22:54:26 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF031820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 18 15:11:18 2020  
 Response via : Initial Calibration

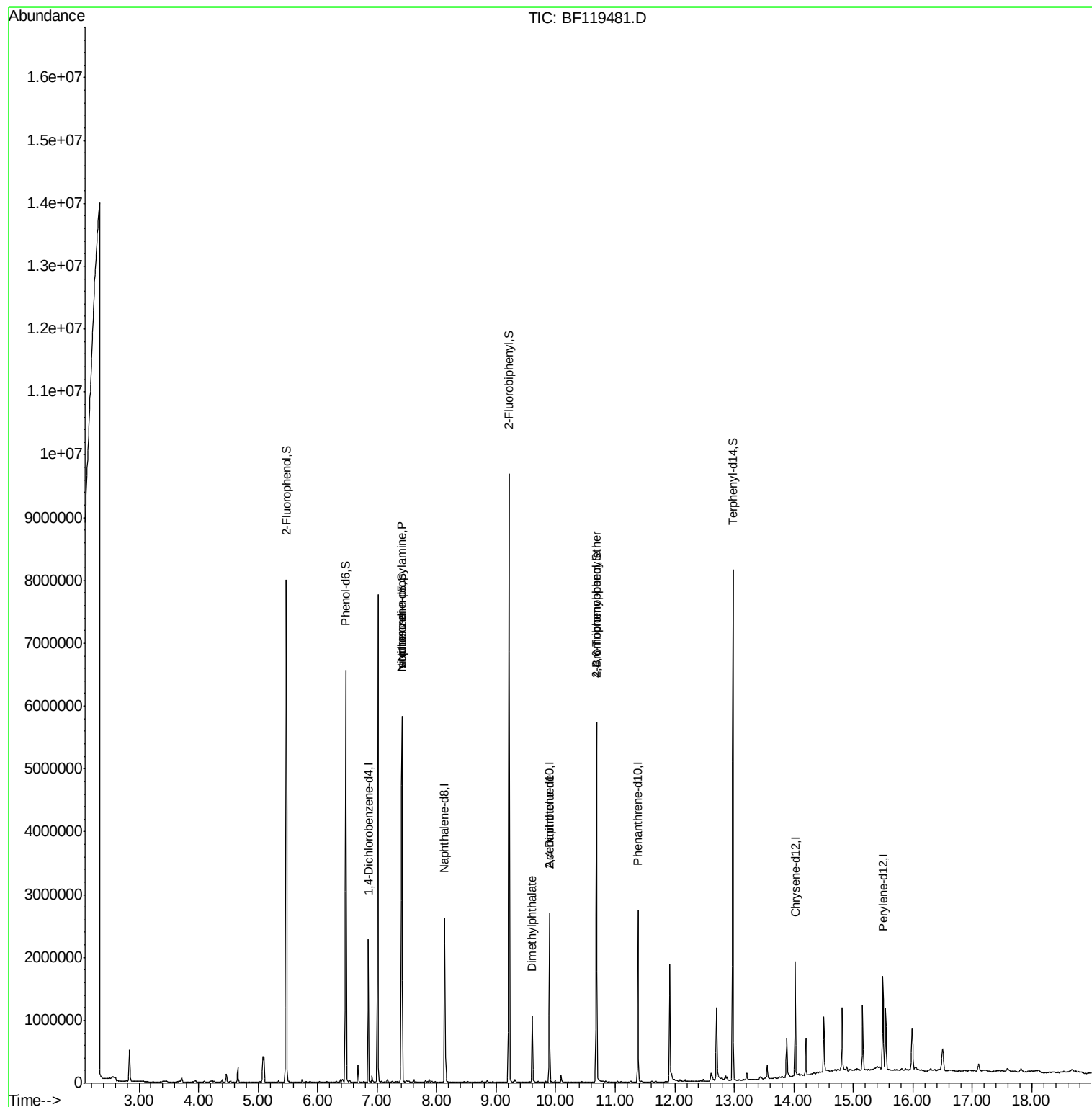
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.85  | 152  | 302651   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.13  | 136  | 1144803  | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10           | 9.89  | 164  | 576653   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10           | 11.38 | 188  | 973075   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12               | 14.02 | 240  | 603318   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12               | 15.50 | 264  | 694650   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.47  | 112  | 2170354  | 114.16 | ng    | 0.02     |
| 7) Phenol-d6                   | 6.47  | 99   | 2477970  | 102.03 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.42  | 82   | 1856168  | 88.12  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.69 | 330  | 755943   | 127.07 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.22  | 172  | 3205243  | 82.35  | ng    | 0.00     |
| 79) Terphenyl-d14              | 12.97 | 244  | 3001733  | 97.48  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.42  | 70   | 248419   | 16.97  | ng    | # 74     |
| 25) Isophorone                 | 7.42  | 82   | 1856134  | 43.44  | ng    | # 66     |
| 50) Dimethylphthalate          | 9.61  | 163  | 442901   | 10.81  | ng    | 99       |
| 57) 2,4-Dinitrotoluene         | 9.89  | 165  | 76453    | 6.91   | ng    | # 25     |
| 67) 4-Bromophenyl-phenylether  | 10.69 | 248  | 45984    | 4.15   | ng    | # 1      |

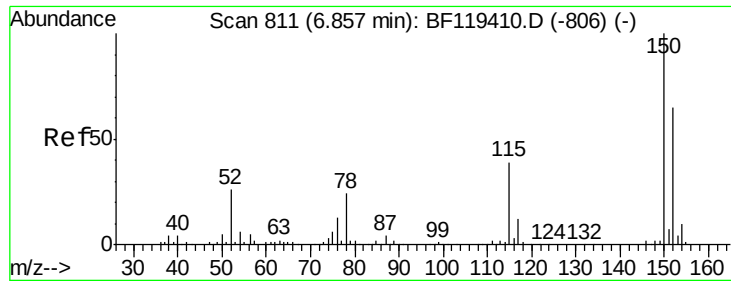
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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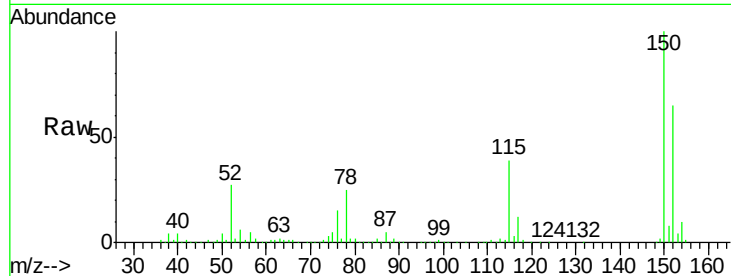


#1

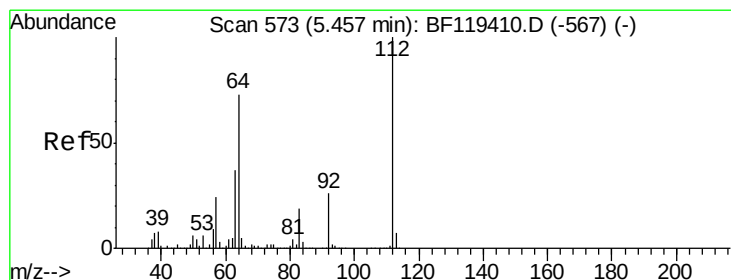
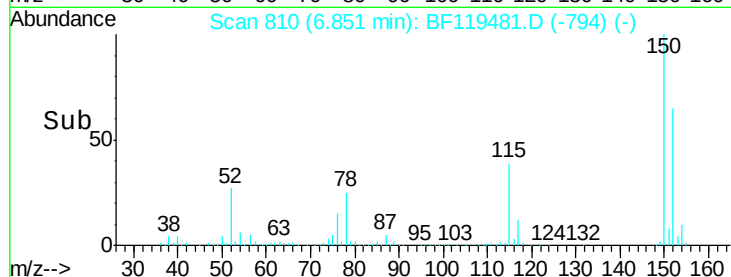
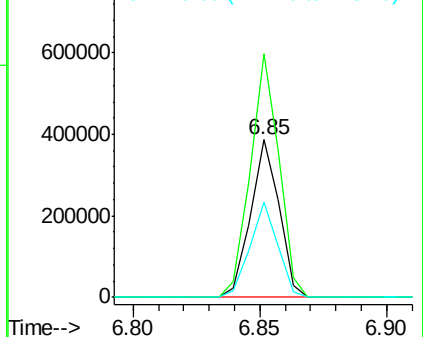
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.85 min Scan# 810  
Delta R.T. -0.01 min  
Lab File: BF119481.D  
Acq: 20 Mar 2020 19:43

Instrument :  
BNA\_F  
ClientSampleId :  
BU-02-031920

Tgt Ion:152 Resp: 302651  
Ion Ratio Lower Upper  
152 100  
150 154.3 123.9 185.9  
115 60.0 47.8 71.6



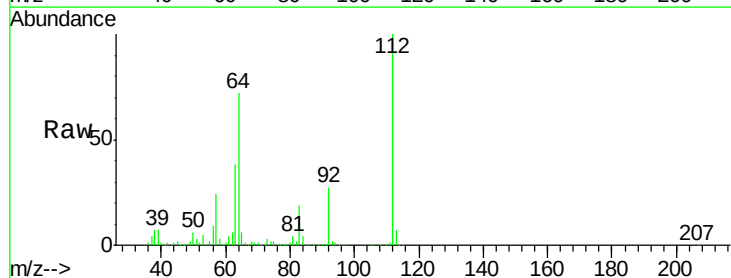
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



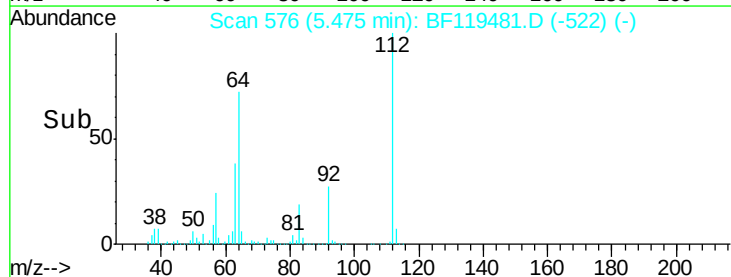
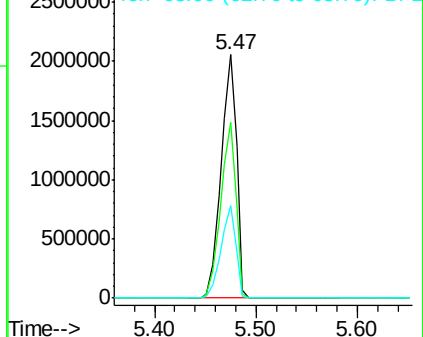
#5

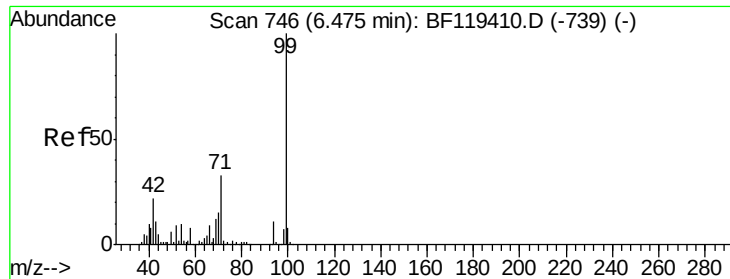
2-Fluorophenol  
Concen: 114.16 ng  
RT: 5.47 min Scan# 576  
Delta R.T. 0.02 min  
Lab File: BF119481.D  
Acq: 20 Mar 2020 19:43

Tgt Ion:112 Resp: 2170354  
Ion Ratio Lower Upper  
112 100  
64 72.2 58.1 87.1  
63 38.0 29.7 44.5



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: 102.03 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.00 min

Lab File: BF119481.D

Acq: 20 Mar 2020 19:43

Instrument :

BNA\_F

ClientSampleId :

BU-02-031920

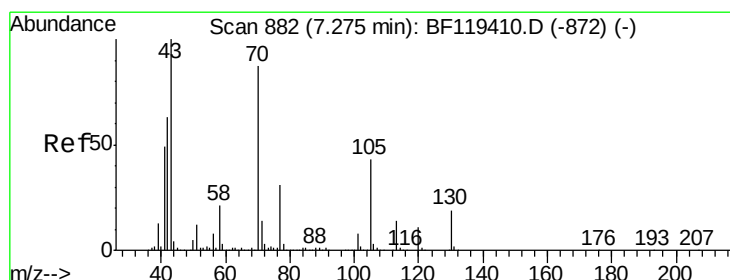
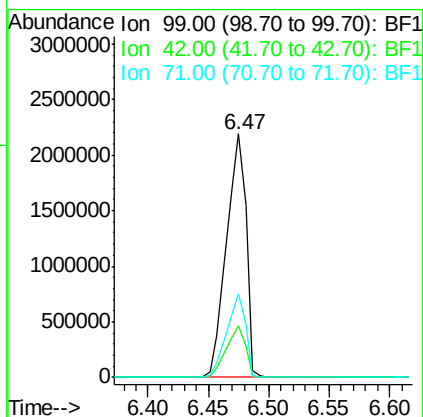
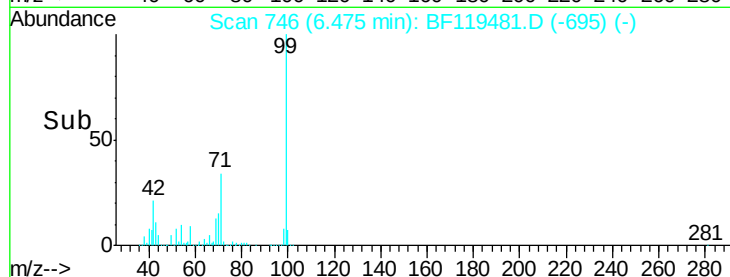
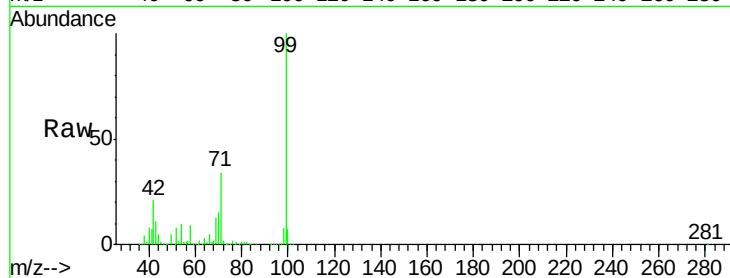
Tgt Ion: 99 Resp: 2477970

Ion Ratio Lower Upper

99 100

42 21.4 17.8 26.6

71 34.1 26.0 39.0



#19

n-Nitroso-di-n-propylamine

Concen: 16.97 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.14 min

Lab File: BF119481.D

Acq: 20 Mar 2020 19:43

Tgt Ion: 70 Resp: 248419

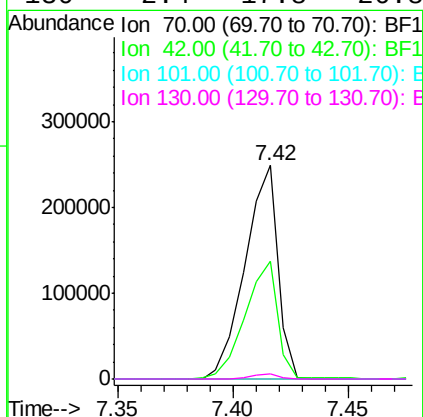
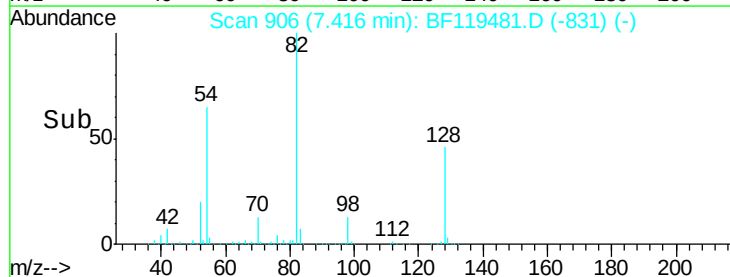
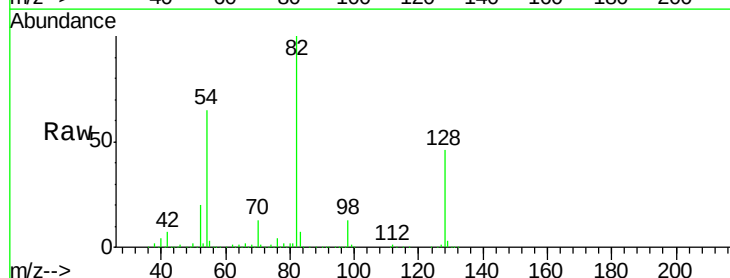
Ion Ratio Lower Upper

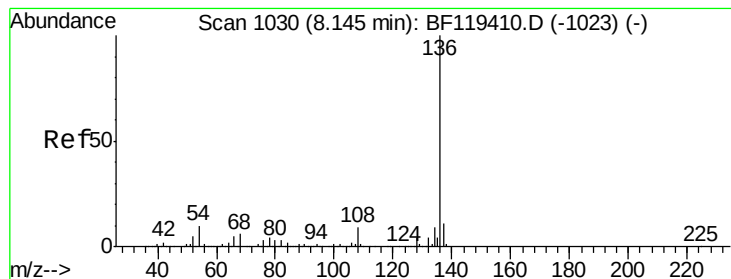
70 100

42 55.0 58.2 87.4#

101 0.0 7.4 11.2#

130 2.4 17.8 26.8#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF119481.D

Acq: 20 Mar 2020 19:43

Instrument :

BNA\_F

ClientSampleId :

BU-02-031920

Tgt Ion:136 Resp: 1144803

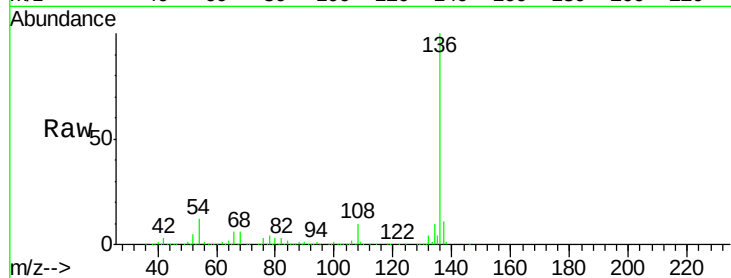
Ion Ratio Lower Upper

136 100

137 11.3 8.4 12.6

54 11.5 8.3 12.5

68 6.1 4.9 7.3

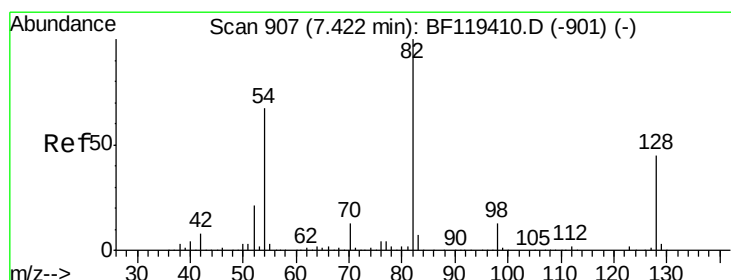
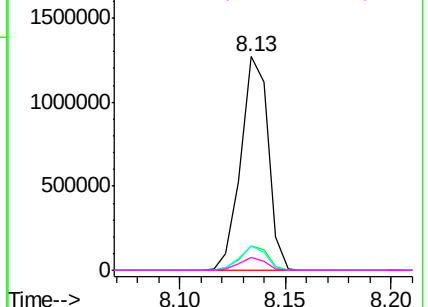
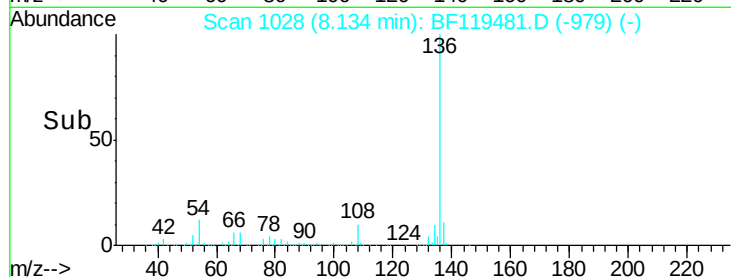


Abundance Ion 136.00 (135.70 to 136.70): E

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: 88.12 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.01 min

Lab File: BF119481.D

Acq: 20 Mar 2020 19:43

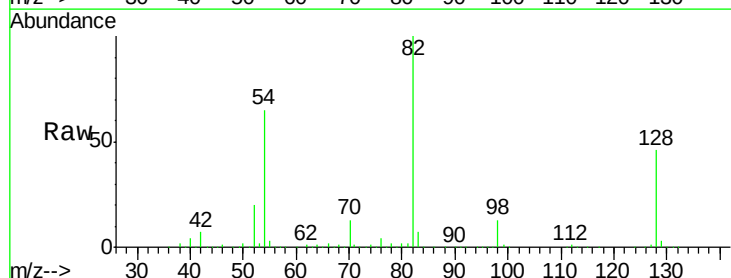
Tgt Ion: 82 Resp: 1856168

Ion Ratio Lower Upper

82 100

128 46.1 35.8 53.8

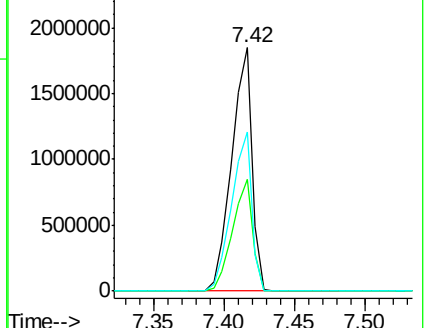
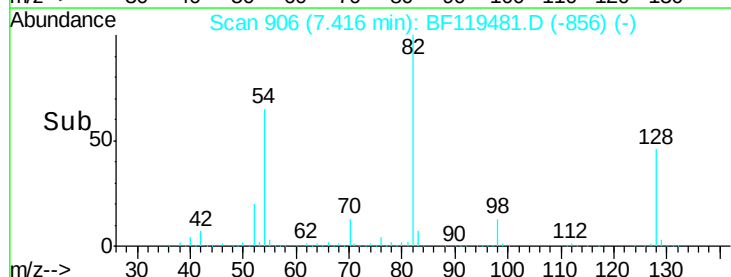
54 65.1 53.4 80.0

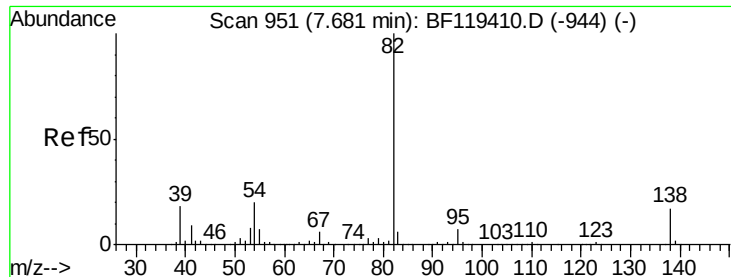


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 43.44 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF119481.D

Acq: 20 Mar 2020 19:43

Instrument :

BNA\_F

ClientSampleId :

BU-02-031920

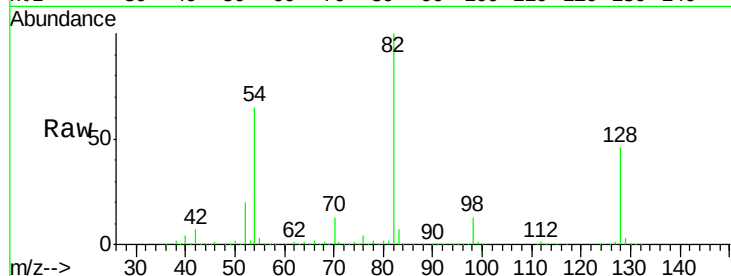
Tgt Ion: 82 Resp: 1856134

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

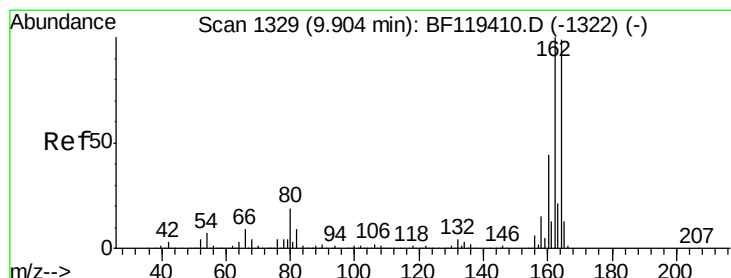
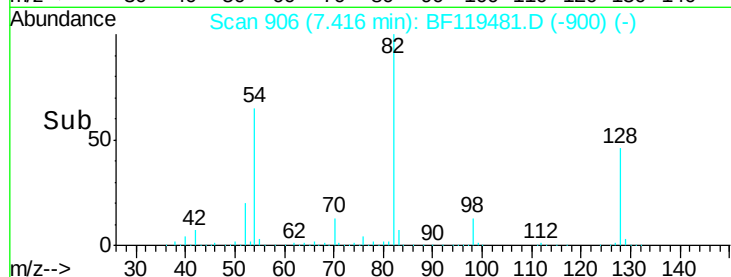
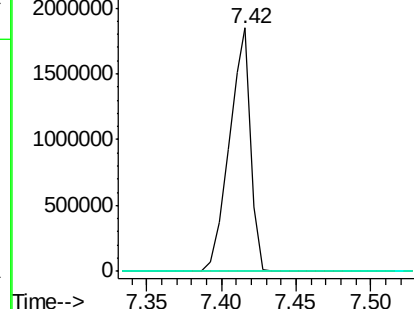
138 0.0 13.8 20.8#



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: 20.00 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF119481.D

Acq: 20 Mar 2020 19:43

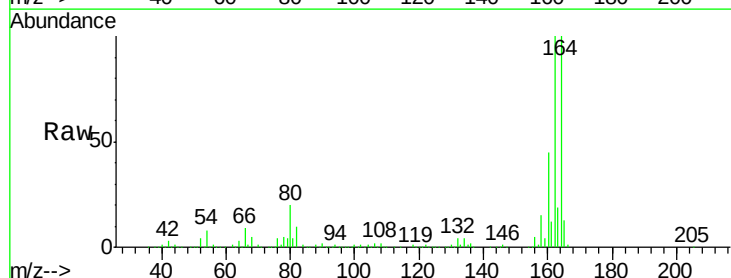
Tgt Ion: 164 Resp: 576653

Ion Ratio Lower Upper

164 100

162 100.5 80.7 121.1

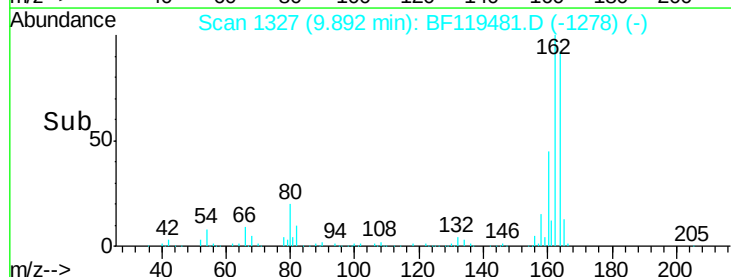
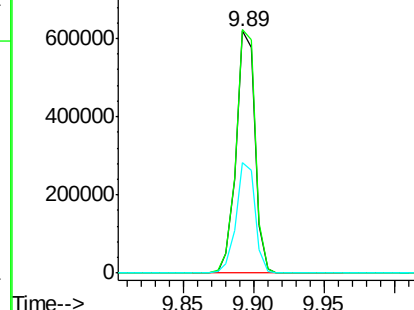
160 45.4 35.5 53.3

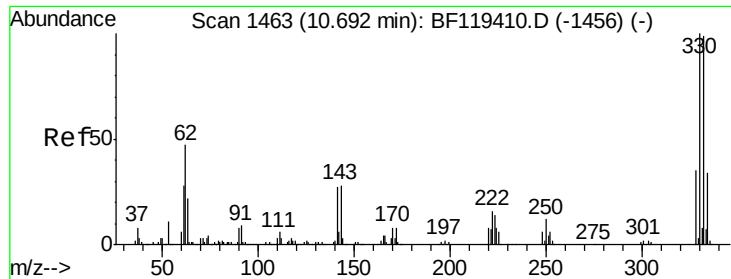


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

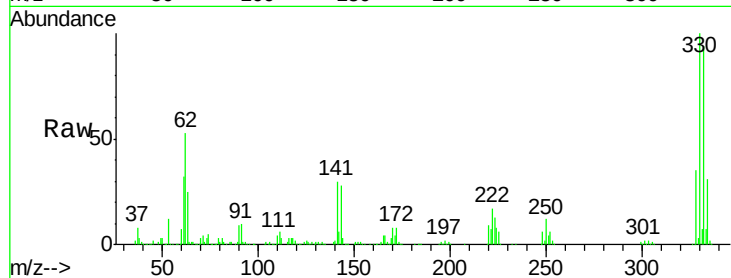




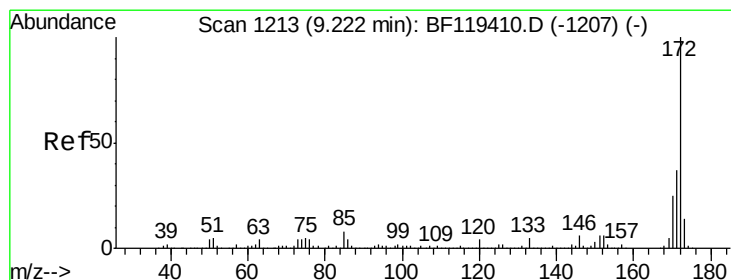
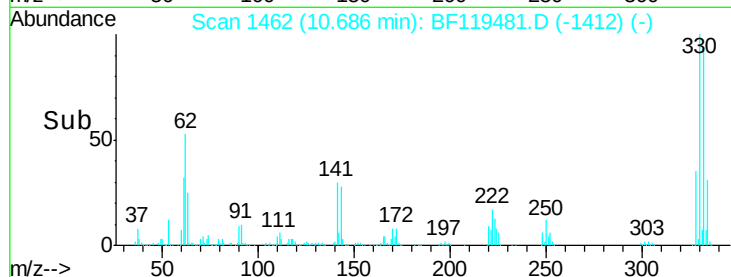
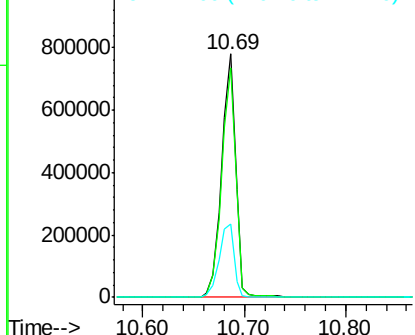
#42  
 2,4,6-Tribromophenol  
 Concen: 127.07 ng  
 RT: 10.69 min Scan# 1462  
 Delta R.T. -0.01 min  
 Lab File: BF119481.D  
 Acq: 20 Mar 2020 19:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BU-02-031920

Tgt Ion:330 Resp: 755943  
 Ion Ratio Lower Upper  
 330 100  
 332 94.9 77.6 116.4  
 141 32.2 26.6 40.0

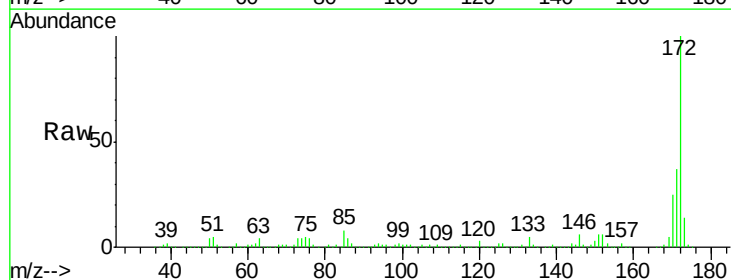


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

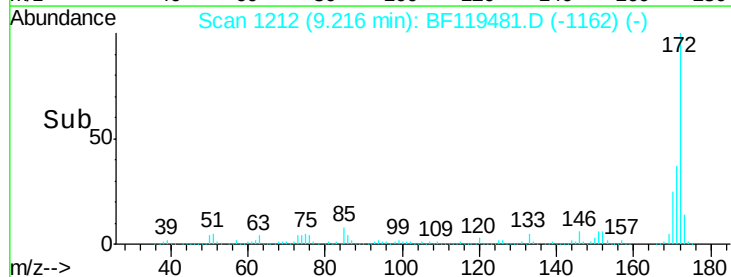
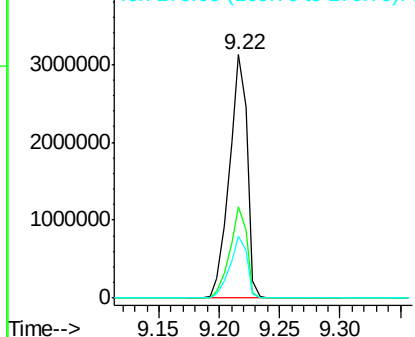


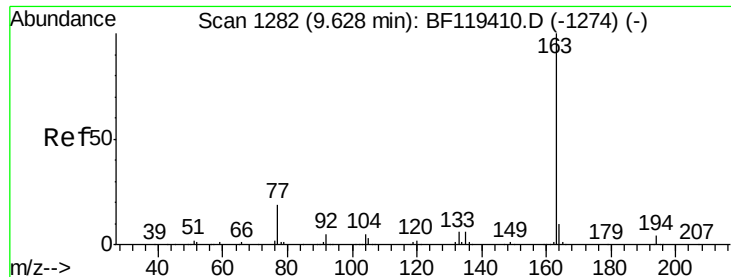
#45  
 2-Fluorobiphenyl  
 Concen: 82.35 ng  
 RT: 9.22 min Scan# 1212  
 Delta R.T. -0.01 min  
 Lab File: BF119481.D  
 Acq: 20 Mar 2020 19:43

Tgt Ion:172 Resp: 3205243  
 Ion Ratio Lower Upper  
 172 100  
 171 37.3 29.9 44.9  
 170 25.5 20.1 30.1



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

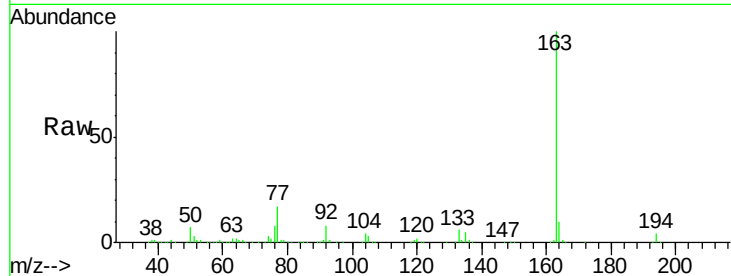




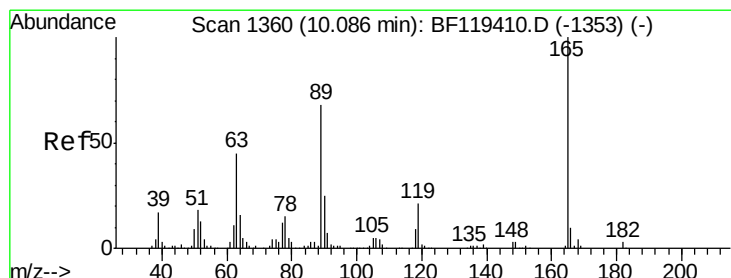
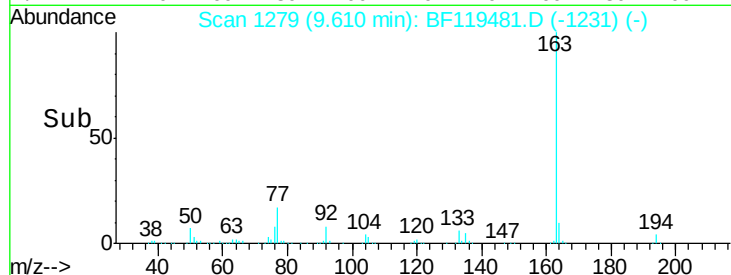
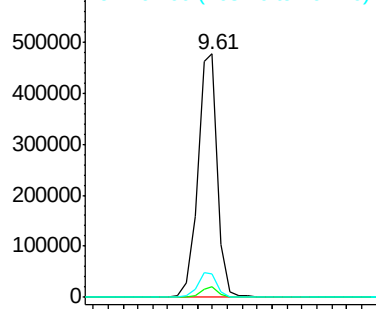
#50  
Dimethylphthalate  
Concen: 10.81 ng  
RT: 9.61 min Scan# 1279  
Delta R.T. -0.02 min  
Lab File: BF119481.D  
Acq: 20 Mar 2020 19:43

Instrument :  
BNA\_F  
ClientSampleId :  
BU-02-031920

Tgt Ion:163 Resp: 442901  
Ion Ratio Lower Upper  
163 100  
194 4.1 3.2 4.8  
164 9.7 8.1 12.1

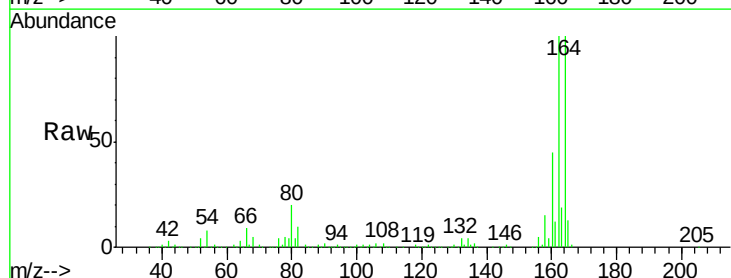


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

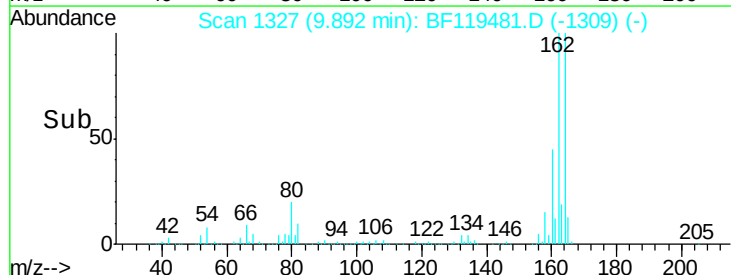
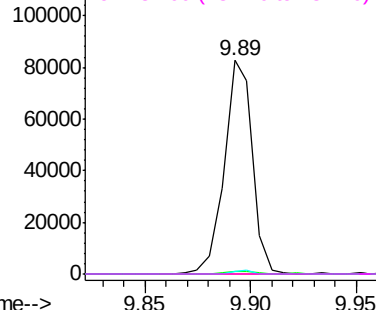


#57  
2,4-Dinitrotoluene  
Concen: 6.91 ng  
RT: 9.89 min Scan# 1327  
Delta R.T. -0.19 min  
Lab File: BF119481.D  
Acq: 20 Mar 2020 19:43

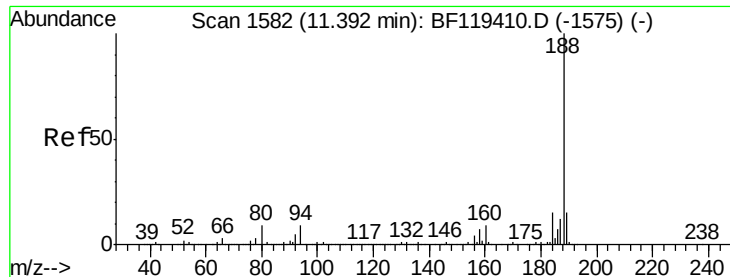
Tgt Ion:165 Resp: 76453  
Ion Ratio Lower Upper  
165 100  
63 1.2 36.2 54.4#  
89 1.3 54.3 81.5#  
182 0.0 2.0 3.0#



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: 20.00 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BF119481.D

Acq: 20 Mar 2020 19:43

Instrument :

BNA\_F

ClientSampleId :

BU-02-031920

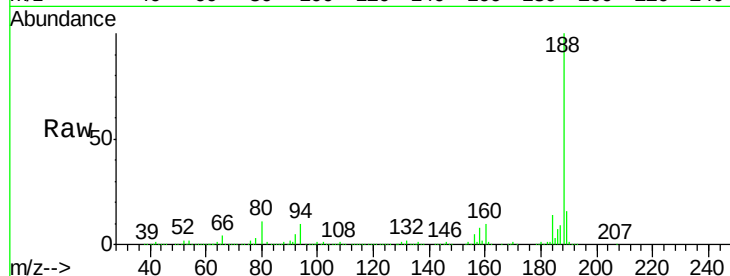
Tgt Ion:188 Resp: 973075

Ion Ratio Lower Upper

188 100

94 9.6 7.1 10.7

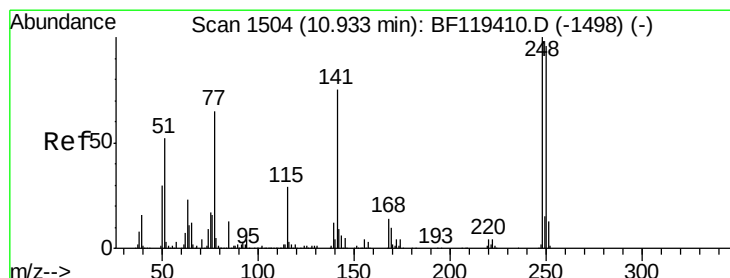
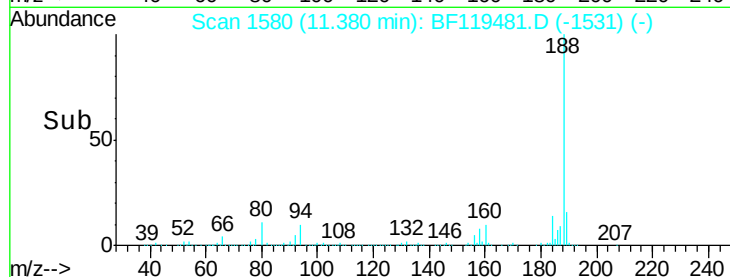
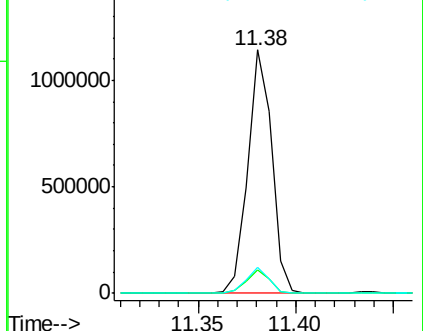
80 10.8 7.5 11.3



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: 4.15 ng

RT: 10.69 min Scan# 1462

Delta R.T. -0.25 min

Lab File: BF119481.D

Acq: 20 Mar 2020 19:43

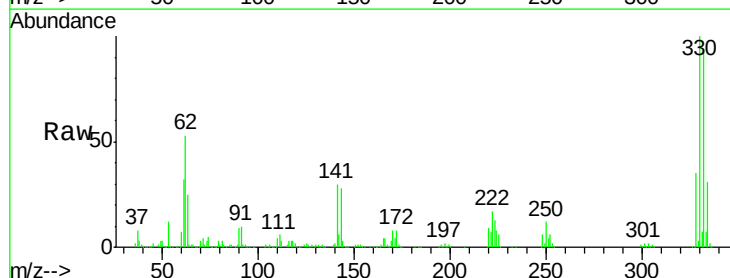
Tgt Ion:248 Resp: 45984

Ion Ratio Lower Upper

248 100

250 204.6 77.0 115.6#

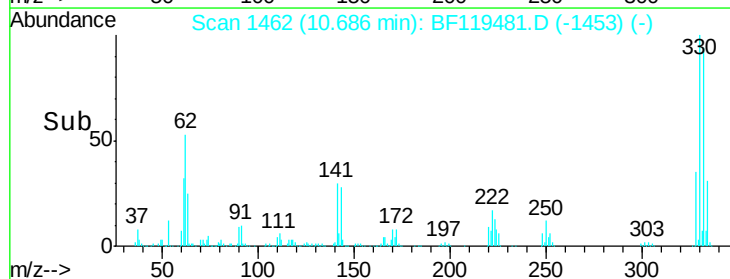
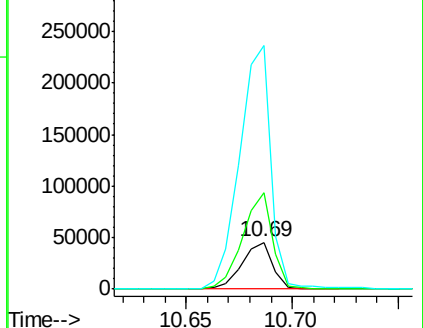
141 516.5 59.7 89.5#

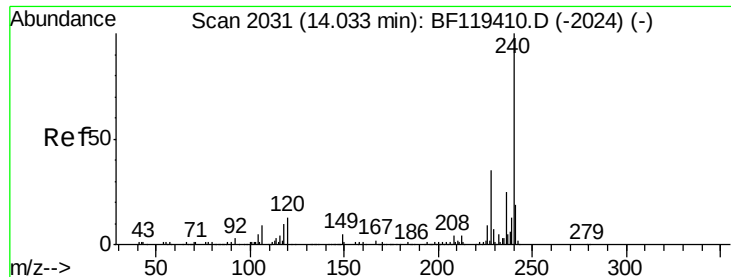


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#76

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF119481.D

Acq: 20 Mar 2020 19:43

Instrument :

BNA\_F

ClientSampleId :

BU-02-031920

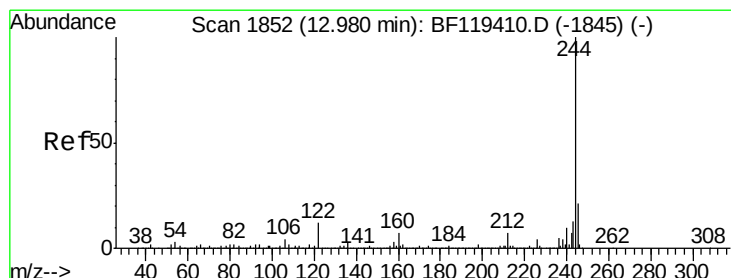
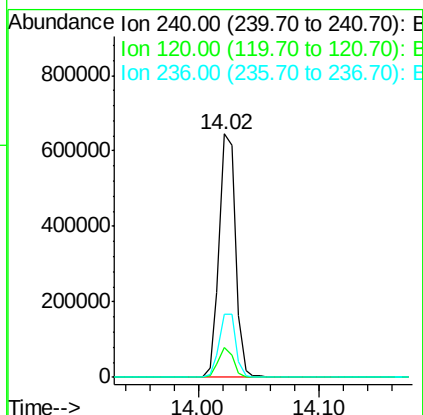
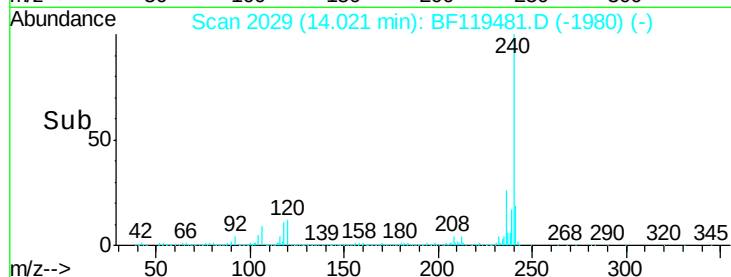
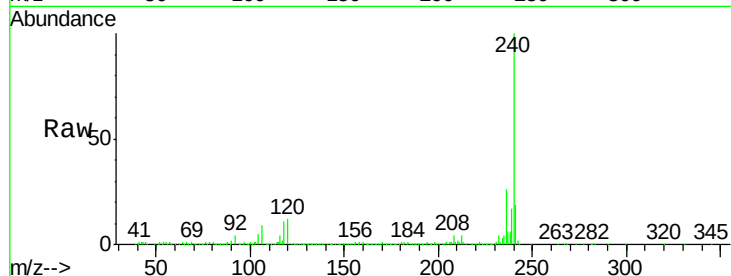
Tgt Ion:240 Resp: 603318

Ion Ratio Lower Upper

240 100

120 12.4 10.2 15.4

236 25.8 20.4 30.6



#79

Terphenyl-d14

Concen: 97.48 ng

RT: 12.97 min Scan# 1851

Delta R.T. -0.01 min

Lab File: BF119481.D

Acq: 20 Mar 2020 19:43

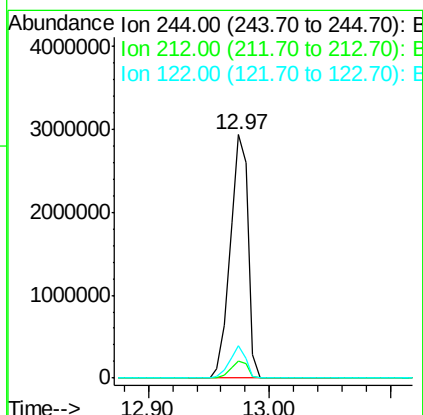
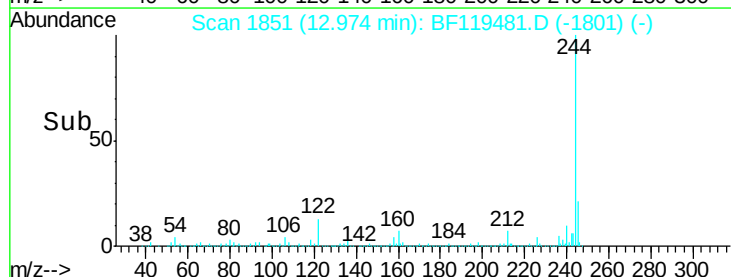
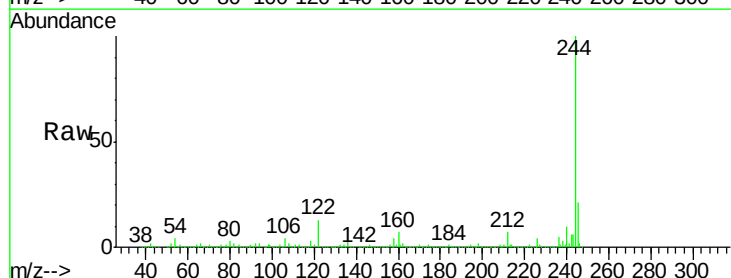
Tgt Ion:244 Resp: 3001733

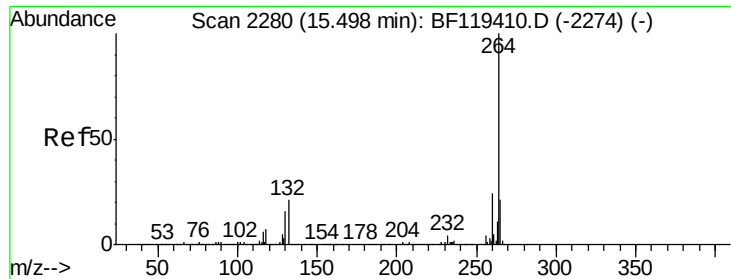
Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

122 13.3 9.8 14.8

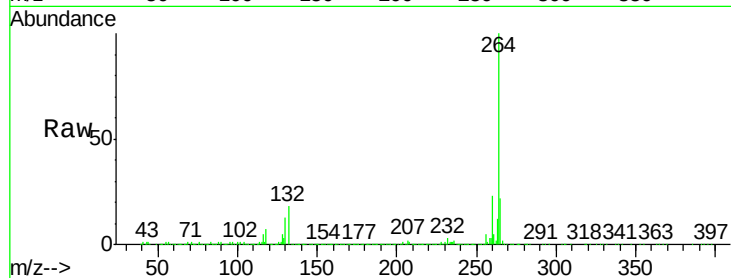




#87  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.50 min Scan# 2280  
Delta R.T. 0.00 min  
Lab File: BF119481.D  
Acq: 20 Mar 2020 19:43

Instrument :  
BNA\_F  
ClientSampleId :  
BU-02-031920

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 264   | Resp: | 694650 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 23.1  | 19.2  | 28.8   |
| 265      | 21.9  | 16.9  | 25.3   |



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

