

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF040120\  
 Data File : BF119699.D  
 Acq On : 2 Apr 2020 6:13  
 Operator : MA/SJ  
 Sample : L2055-06RE  
 Misc :  
 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-10-(1-3)

Quant Time: Apr 02 06:45:10 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF031820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 01 11:59:45 2020  
 Response via : Initial Calibration

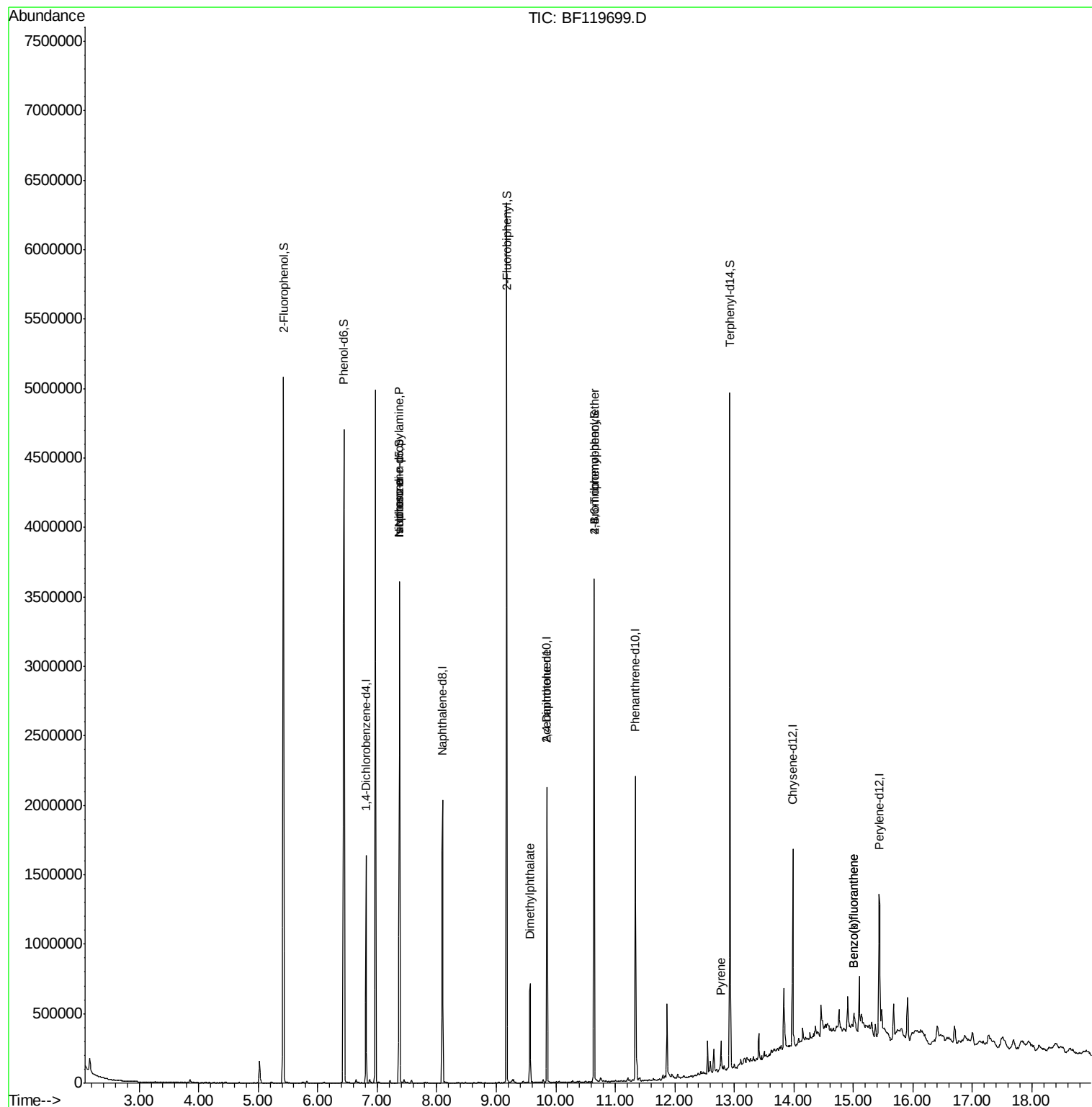
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.81  | 152  | 226581   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.10  | 136  | 847717   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.85  | 164  | 420233   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10           | 11.34 | 188  | 750010   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12               | 13.98 | 240  | 462283   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12               | 15.43 | 264  | 458644   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.43  | 112  | 1437710  | 101.01 | ng    | 0.01     |
| 7) Phenol-d6                   | 6.44  | 99   | 1871866  | 102.95 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.37  | 82   | 1139684  | 73.07  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.65 | 330  | 472344   | 108.95 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.17  | 172  | 1951880  | 68.81  | ng    | 0.00     |
| 79) Terphenyl-d14              | 12.93 | 244  | 1841942  | 78.06  | ng    | -0.01    |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.37  | 70   | 150959   | 13.77  | ng    | # 74     |
| 25) Isophorone                 | 7.37  | 82   | 1137072  | 35.94  | ng    | # 65     |
| 50) Dimethylphthalate          | 9.57  | 163  | 277462   | 9.30   | ng    | 99       |
| 57) 2,4-Dinitrotoluene         | 9.85  | 165  | 54613    | 6.78   | ng    | # 20     |
| 67) 4-Bromophenyl-phenylether  | 10.65 | 248  | 28623    | 3.35   | ng    | # 1      |
| 78) Pyrene                     | 12.78 | 202  | 88295    | 2.33   | ng    | 96       |
| 88) Benzo(b)fluoranthene       | 15.01 | 252  | 83186    | 2.72   | ng    | # 91     |
| 89) Benzo(k)fluoranthene       | 15.01 | 252  | 83186    | 2.85   | ng    | # 92     |

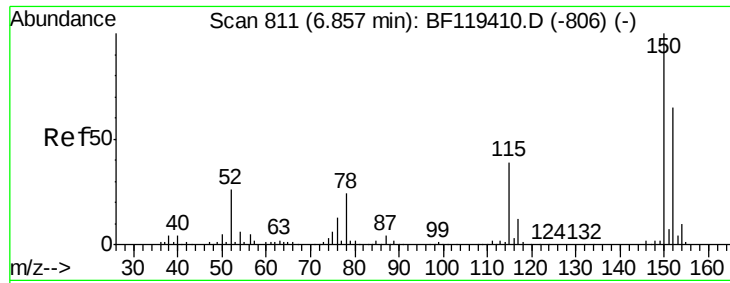
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF040120\  
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Misc :  
ALS Vial : 49 Sample Multiplier: 1

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BNA\_F  
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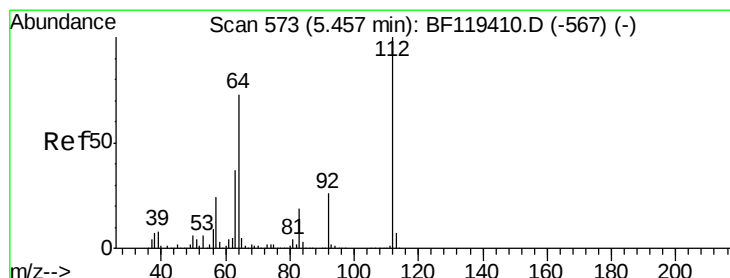
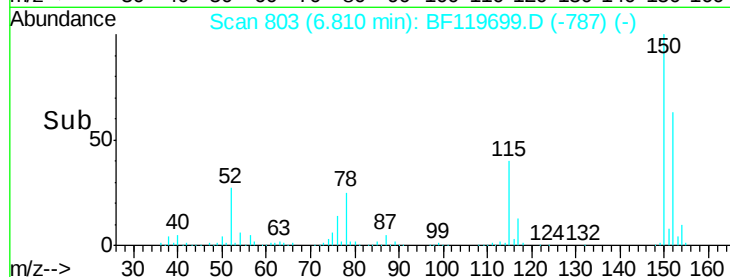
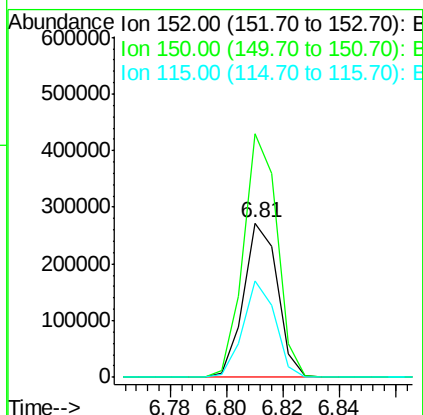
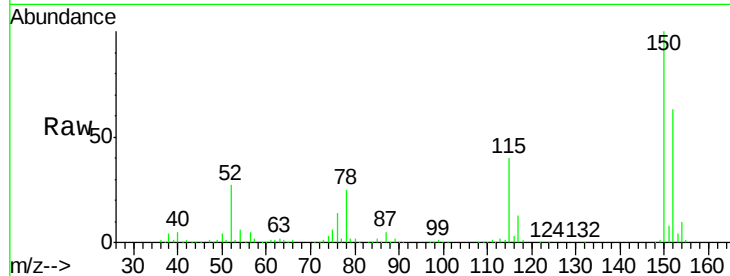




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.81 min Scan# 803  
 Delta R.T. -0.01 min  
 Lab File: BF119699.D  
 Acq: 2 Apr 2020 6:13

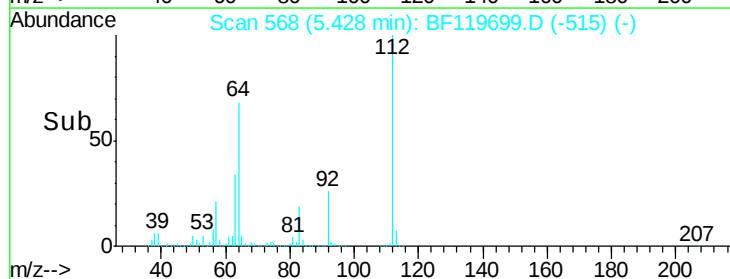
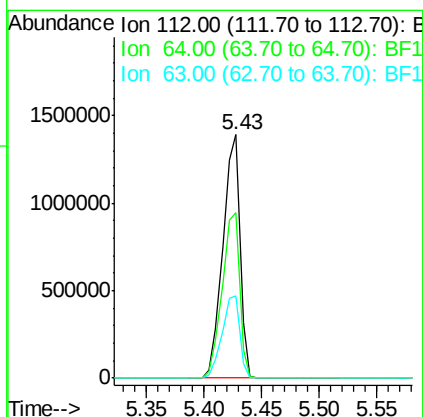
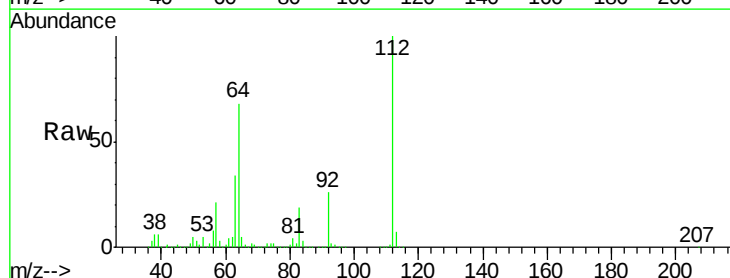
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-10-(1-3)

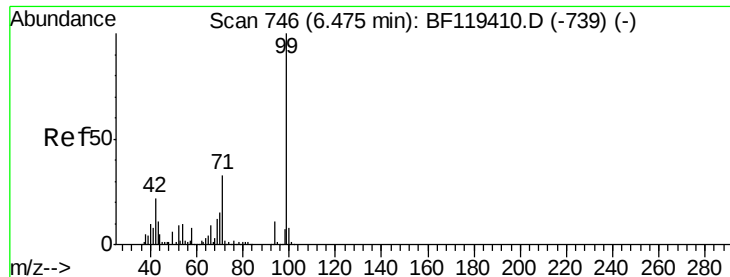
Tgt Ion:152 Resp: 226581  
 Ion Ratio Lower Upper  
 152 100  
 150 157.6 124.5 186.7  
 115 62.6 49.6 74.4



#5  
 2-Fluorophenol  
 Concen: 101.01 ng  
 RT: 5.43 min Scan# 568  
 Delta R.T. 0.01 min  
 Lab File: BF119699.D  
 Acq: 2 Apr 2020 6:13

Tgt Ion:112 Resp: 1437710  
 Ion Ratio Lower Upper  
 112 100  
 64 68.0 56.7 85.1  
 63 34.0 29.5 44.3





#7

Phenol-d6

Concen: 102.95 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF119699.D

Acq: 2 Apr 2020 6:13

Instrument :

BNA\_F

ClientSampleId :

SB-10-(1-3)

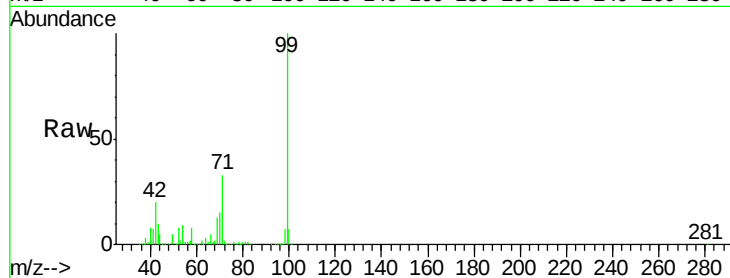
Tgt Ion: 99 Resp: 1871866

Ion Ratio Lower Upper

99 100

42 20.1 16.6 24.8

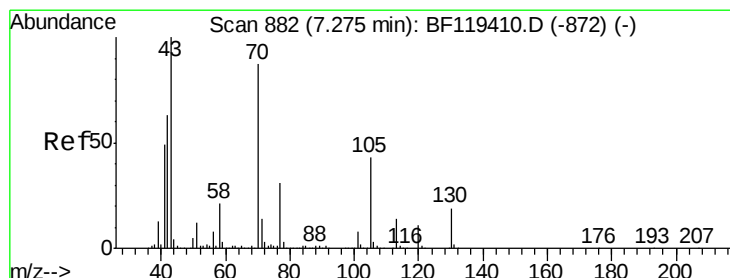
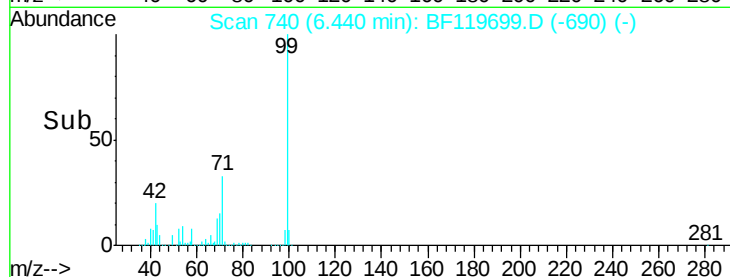
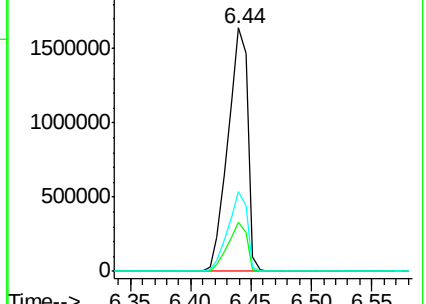
71 32.7 26.4 39.6



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: 13.77 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.14 min

Lab File: BF119699.D

Acq: 2 Apr 2020 6:13

Tgt Ion: 70 Resp: 150959

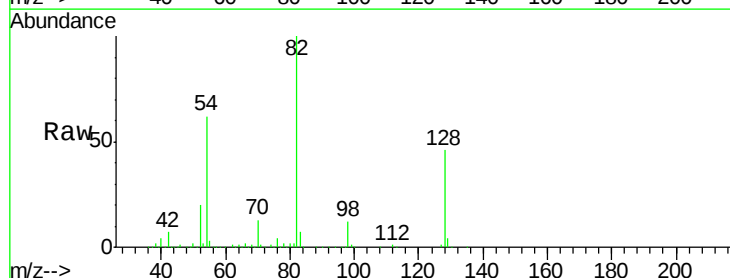
Ion Ratio Lower Upper

70 100

42 51.1 54.5 81.7#

101 0.0 7.6 11.4#

130 2.1 17.6 26.4#

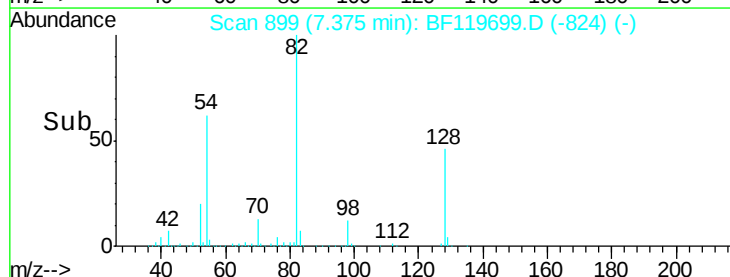
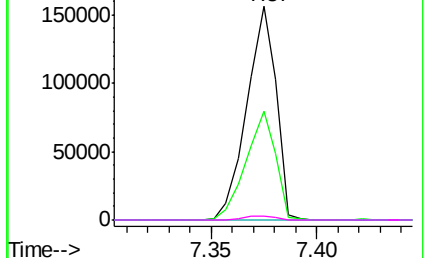


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

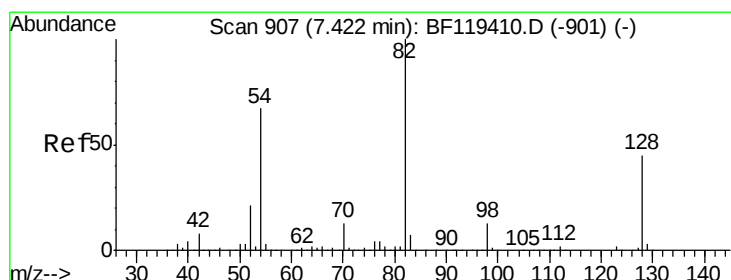
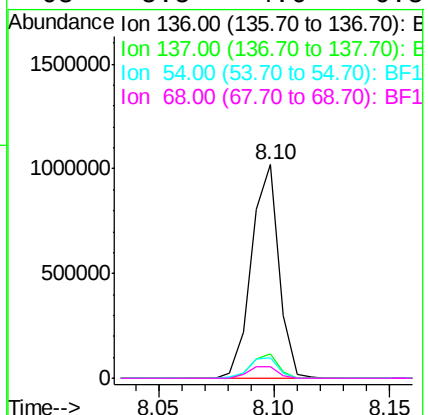
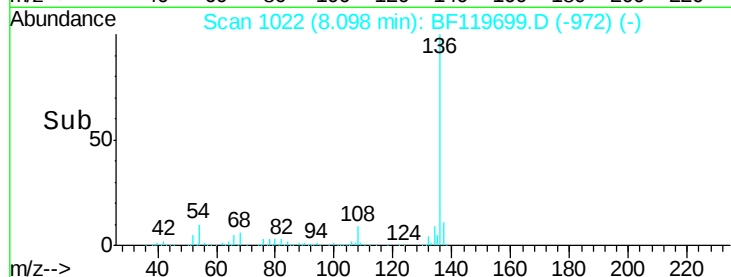
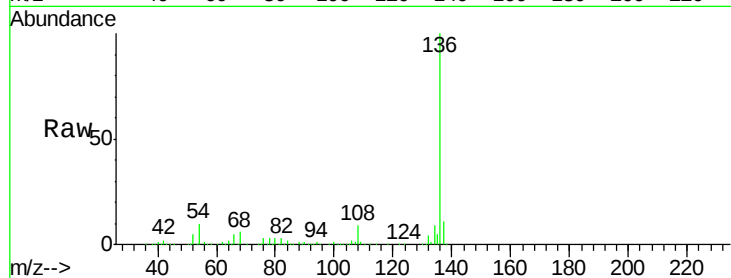




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.10 min Scan# 1022  
Delta R.T. -0.01 min  
Lab File: BF119699.D  
Acq: 2 Apr 2020 6:13

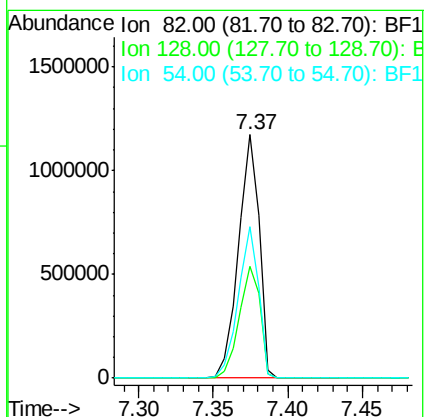
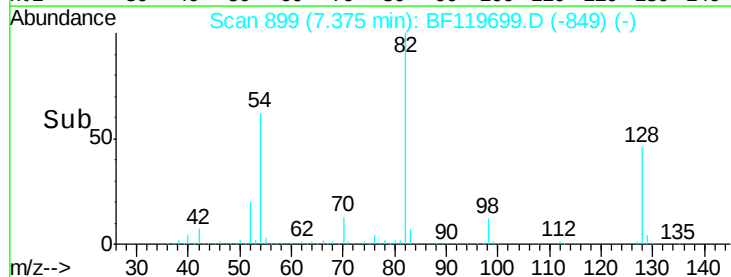
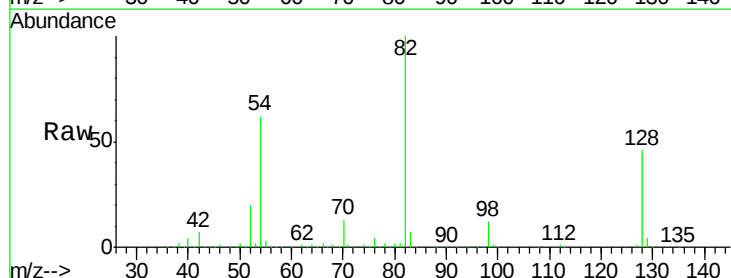
Instrument :  
BNA\_F  
ClientSampleId :  
SB-10-(1-3)

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 847717 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.1  | 8.7   | 13.1   |
| 54       | 9.8   | 9.1   | 13.7   |
| 68       | 5.5   | 4.6   | 6.8    |



#23  
Nitrobenzene-d5  
Concen: 73.07 ng  
RT: 7.37 min Scan# 899  
Delta R.T. -0.01 min  
Lab File: BF119699.D  
Acq: 2 Apr 2020 6:13

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 82    | Resp: | 1139684 |
| Ion      | Ratio | Lower | Upper   |
| 82       | 100   |       |         |
| 128      | 46.1  | 36.3  | 54.5    |
| 54       | 62.2  | 50.6  | 75.8    |





#25

Isophorone

Concen: 35.94 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF119699.D

Acq: 2 Apr 2020 6:13

Instrument :

BNA\_F

ClientSampleId :

SB-10-(1-3)

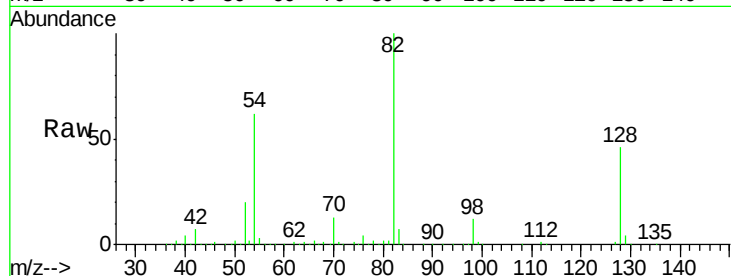
Tgt Ion: 82 Resp: 1137072

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

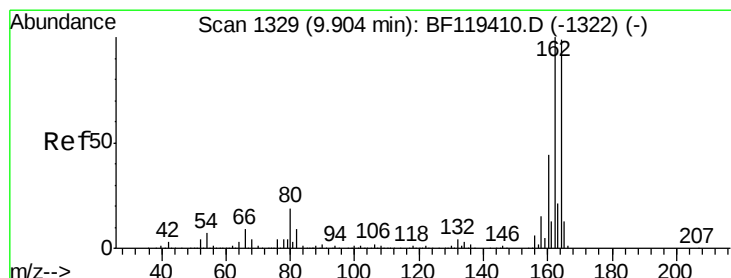
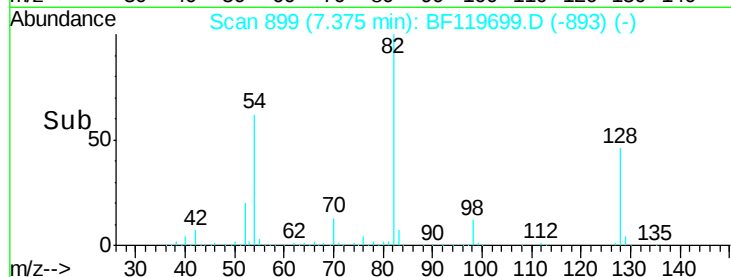
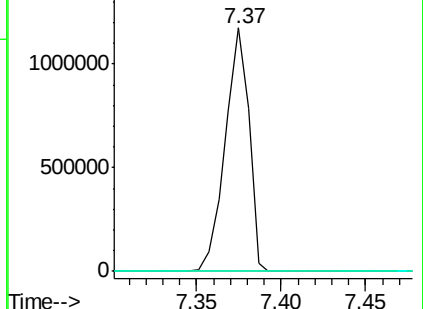
138 0.0 14.6 21.8#



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: 20.00 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF119699.D

Acq: 2 Apr 2020 6:13

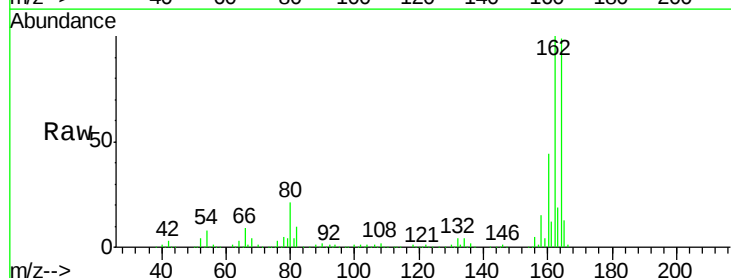
Tgt Ion: 164 Resp: 420233

Ion Ratio Lower Upper

164 100

162 101.1 80.6 121.0

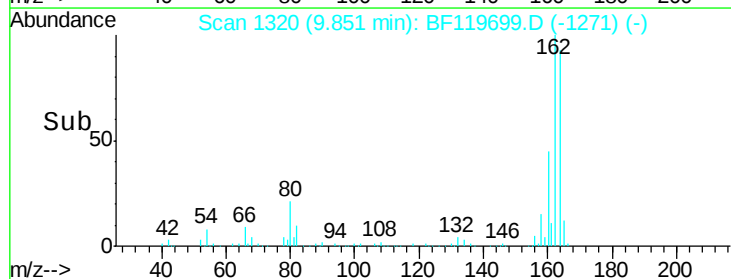
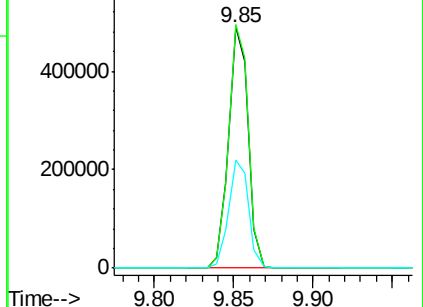
160 44.9 35.7 53.5

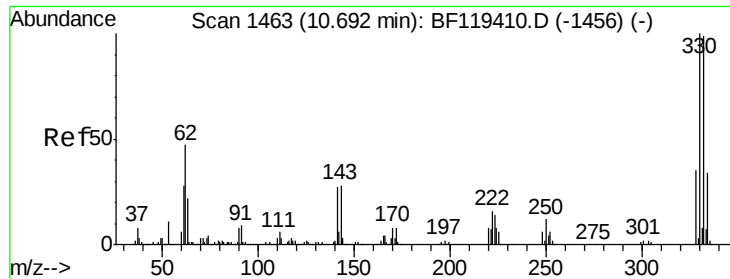


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

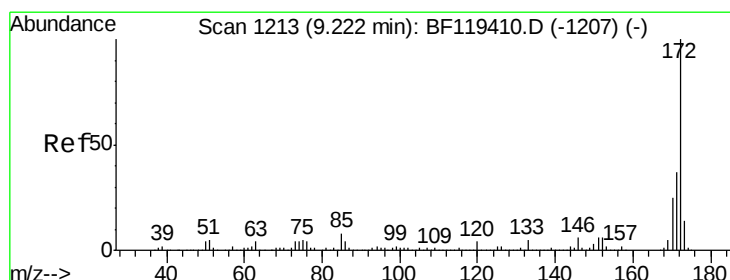
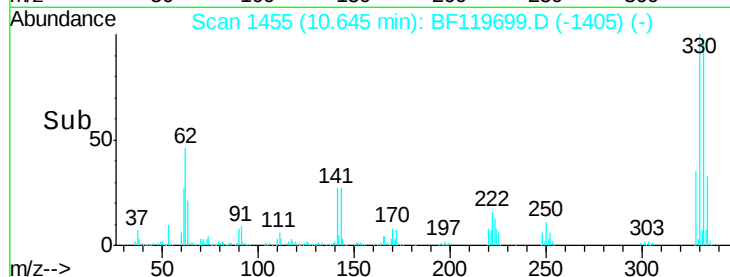
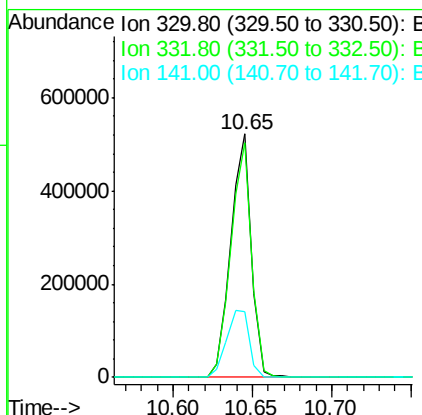
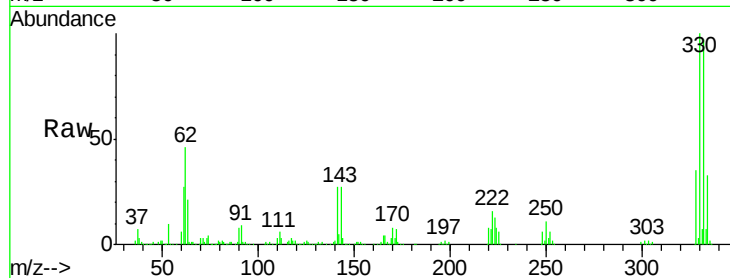




#42  
 2,4,6-Tribromophenol  
 Concen: 108.95 ng  
 RT: 10.65 min Scan# 1455  
 Delta R.T. -0.01 min  
 Lab File: BF119699.D  
 Acq: 2 Apr 2020 6:13

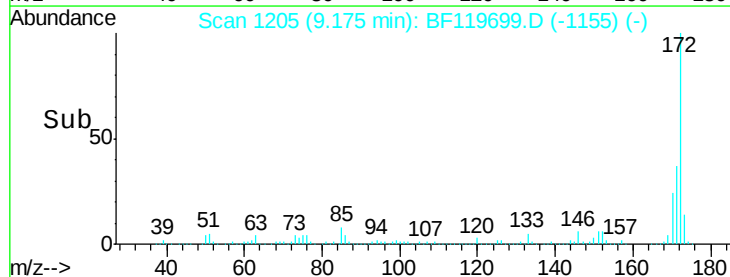
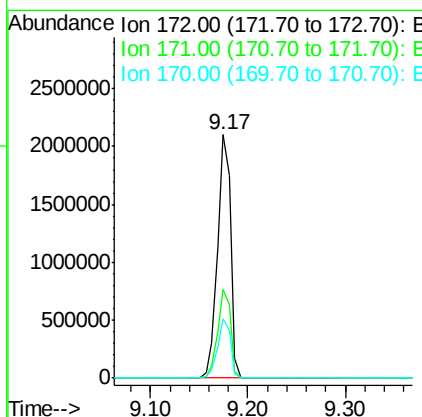
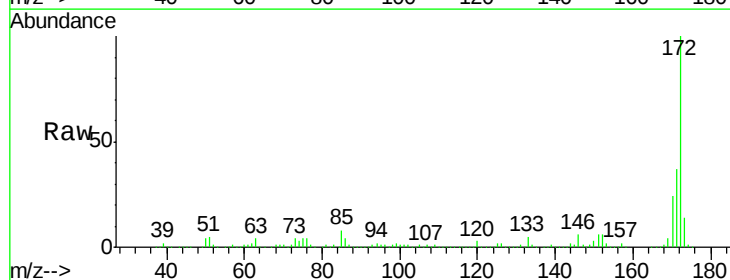
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-10-(1-3)

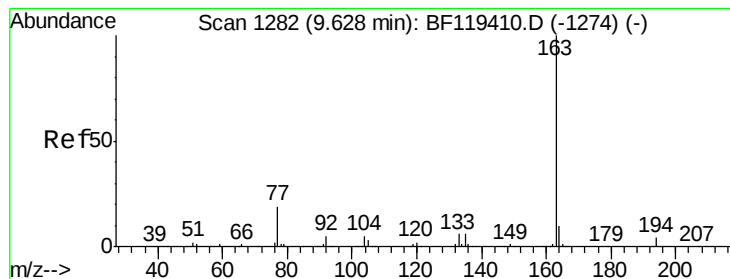
Tgt Ion:330 Resp: 472344  
 Ion Ratio Lower Upper  
 330 100  
 332 97.0 75.7 113.5  
 141 30.5 25.4 38.0



#45  
 2-Fluorobiphenyl  
 Concen: 68.81 ng  
 RT: 9.17 min Scan# 1205  
 Delta R.T. -0.01 min  
 Lab File: BF119699.D  
 Acq: 2 Apr 2020 6:13

Tgt Ion:172 Resp: 1951880  
 Ion Ratio Lower Upper  
 172 100  
 171 36.5 29.6 44.4  
 170 24.3 20.2 30.2





#50

Dimethylphthalate

Concen: 9.30 ng

RT: 9.57 min Scan# 1272

Delta R.T. -0.02 min

Lab File: BF119699.D

Acq: 2 Apr 2020 6:13

Instrument :

BNA\_F

ClientSampleId :

SB-10-(1-3)

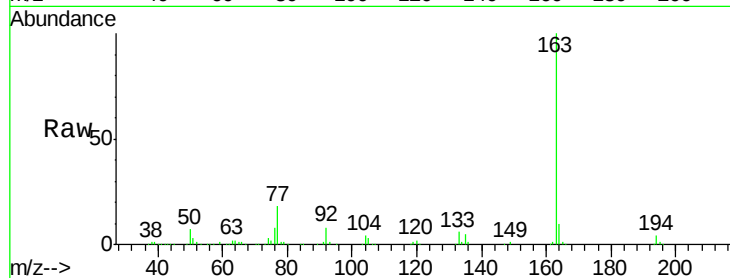
Tgt Ion:163 Resp: 277462

Ion Ratio Lower Upper

163 100

194 4.1 3.1 4.7

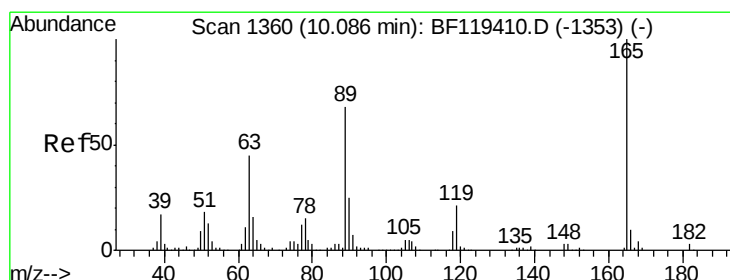
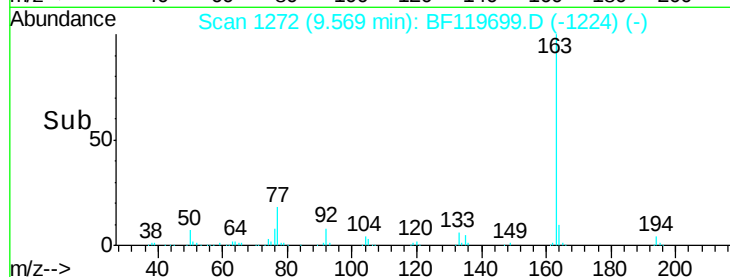
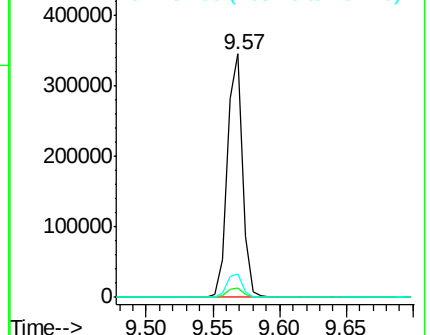
164 9.9 8.2 12.2



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: 6.78 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.20 min

Lab File: BF119699.D

Acq: 2 Apr 2020 6:13

Tgt Ion:165 Resp: 54613

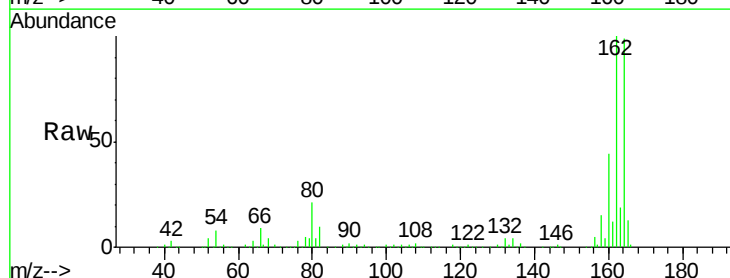
Ion Ratio Lower Upper

165 100

63 1.6 42.6 64.0#

89 1.1 61.0 91.4#

182 0.0 2.2 3.2#

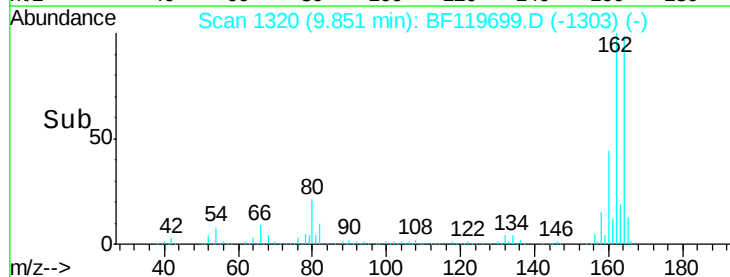
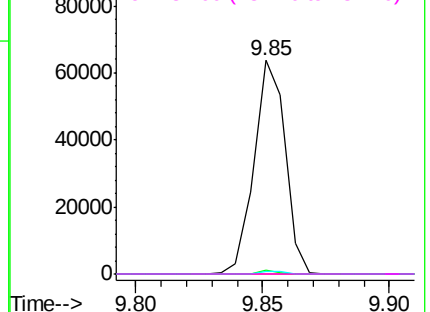


Abundance Ion 165.00 (164.70 to 165.70): E

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

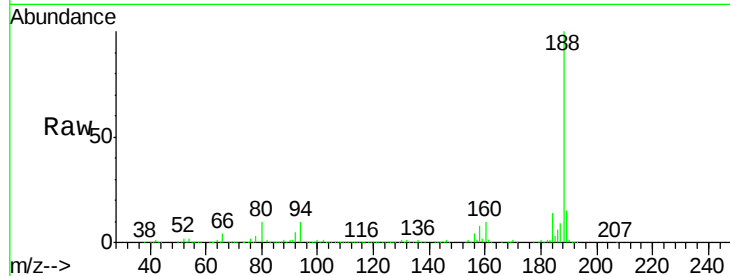




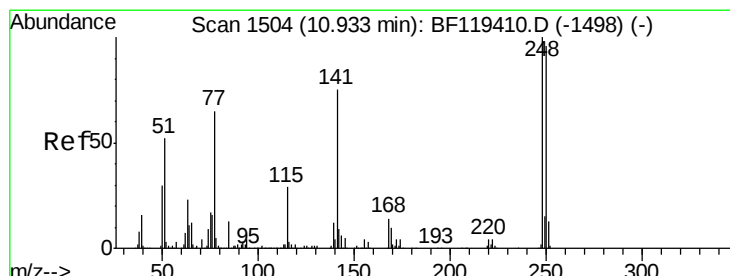
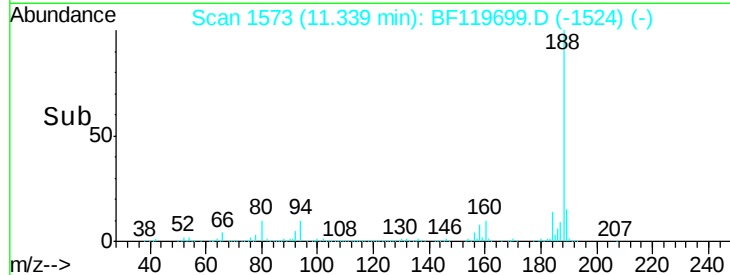
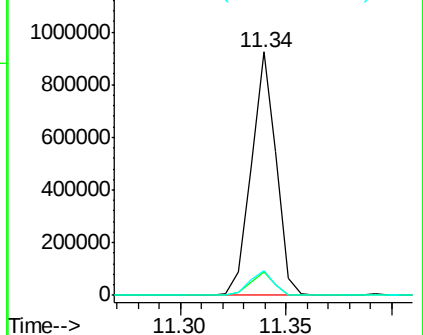
#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.34 min Scan# 1573  
Delta R.T. -0.01 min  
Lab File: BF119699.D  
Acq: 2 Apr 2020 6:13

Instrument :  
BNA\_F  
ClientSampleId :  
SB-10-(1-3)

Tgt Ion:188 Resp: 750010  
Ion Ratio Lower Upper  
188 100  
94 9.7 7.5 11.3  
80 10.4 9.0 13.4

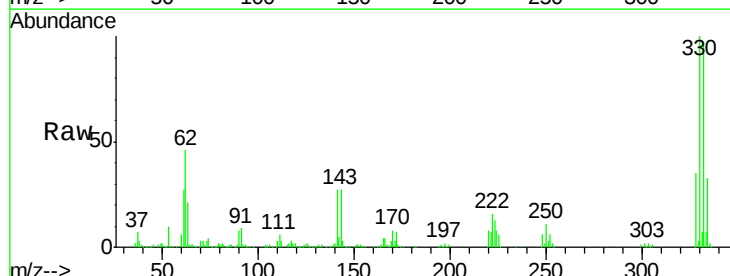


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

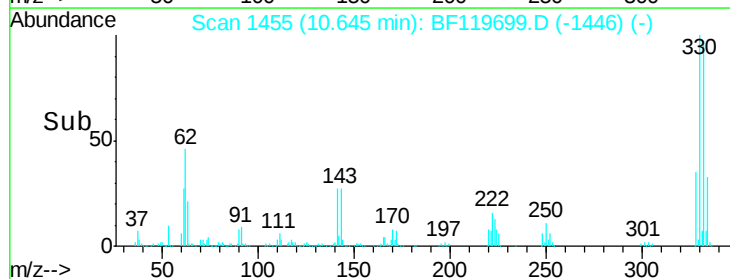
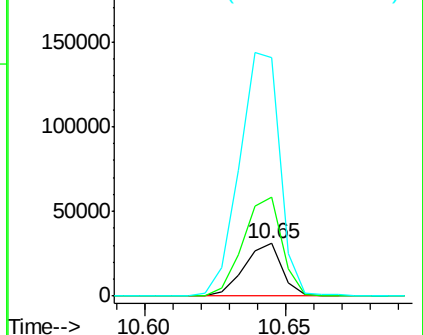


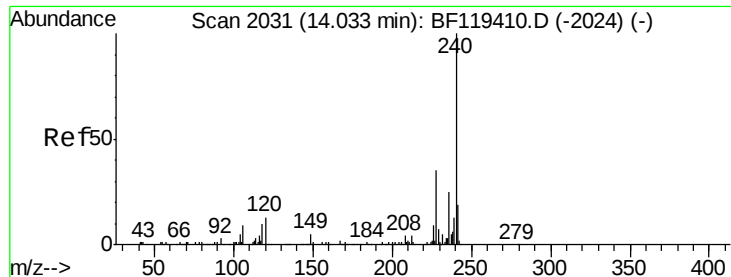
#67  
4-Bromophenyl-phenylether  
Concen: 3.35 ng  
RT: 10.65 min Scan# 1455  
Delta R.T. -0.25 min  
Lab File: BF119699.D  
Acq: 2 Apr 2020 6:13

Tgt Ion:248 Resp: 28623  
Ion Ratio Lower Upper  
248 100  
250 188.0 77.3 115.9#  
141 453.8 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

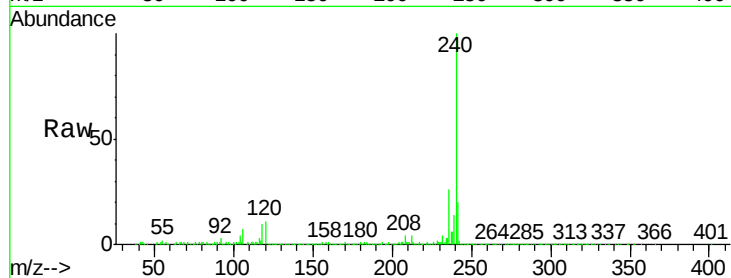




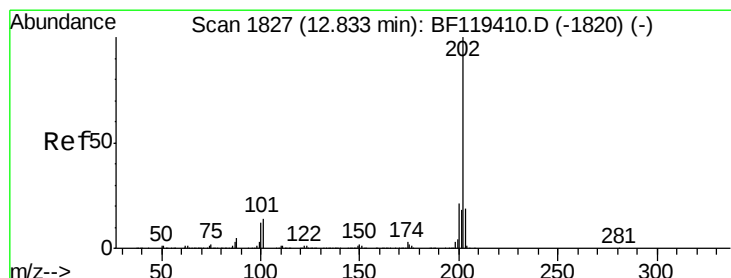
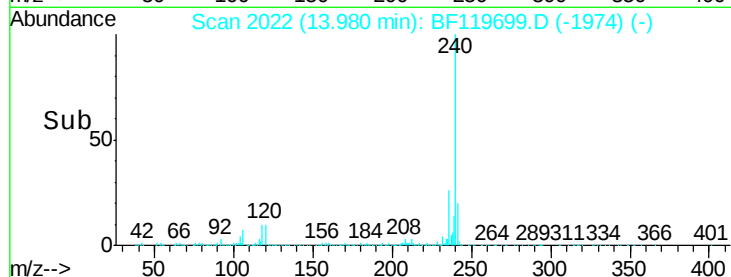
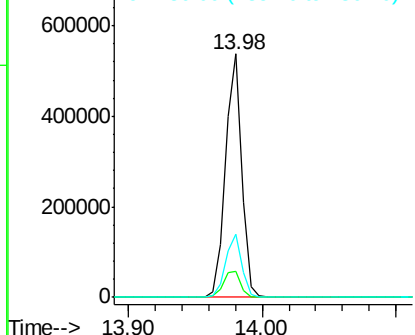
#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.98 min Scan# 2022  
Delta R.T. -0.02 min  
Lab File: BF119699.D  
Acq: 2 Apr 2020 6:13

Instrument :  
BNA\_F  
ClientSampleId :  
SB-10-(1-3)

Tgt Ion:240 Resp: 462283  
Ion Ratio Lower Upper  
240 100  
120 10.6 10.6 15.8  
236 25.9 20.2 30.2

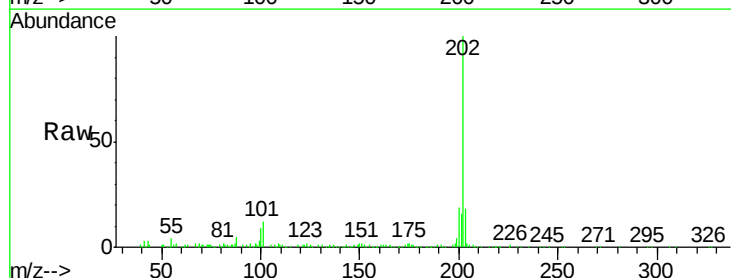


Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

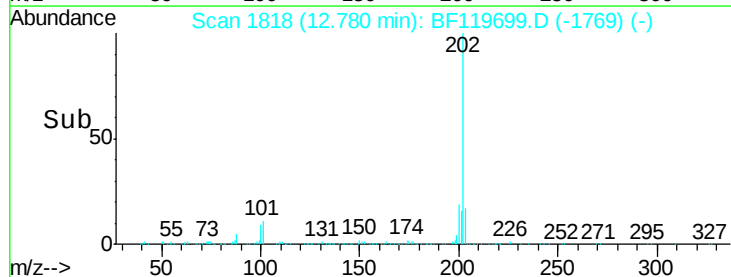
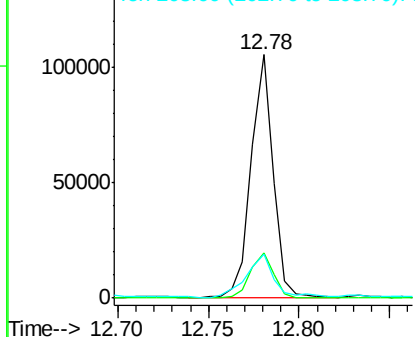


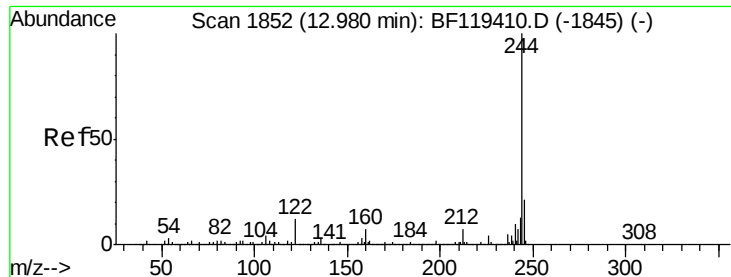
#78  
Pyrene  
Concen: 2.33 ng  
RT: 12.78 min Scan# 1818  
Delta R.T. -0.01 min  
Lab File: BF119699.D  
Acq: 2 Apr 2020 6:13

Tgt Ion:202 Resp: 88295  
Ion Ratio Lower Upper  
202 100  
200 18.6 16.8 25.2  
203 17.8 15.1 22.7



Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 78.06 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF119699.D

Acq: 2 Apr 2020 6:13

Instrument :

BNA\_F

ClientSampleId :

SB-10-(1-3)

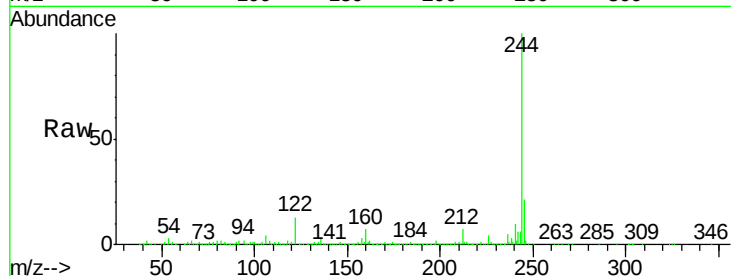
Tgt Ion:244 Resp: 1841942

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

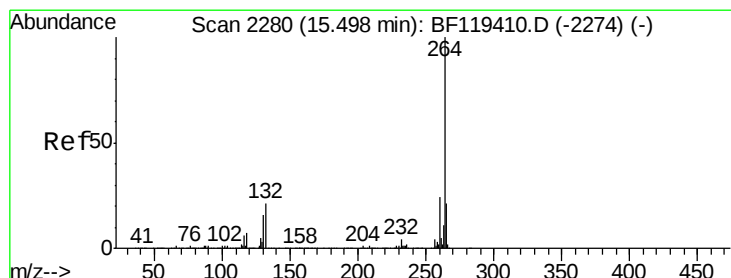
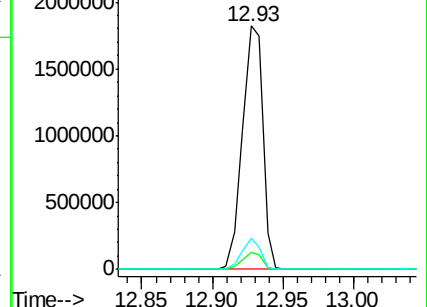
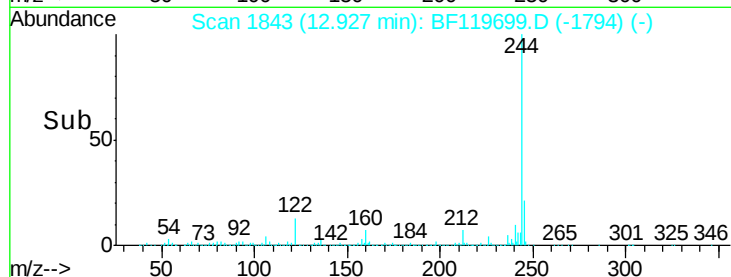
122 12.9 10.3 15.5



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

Perylene-d12

Concen: 20.00 ng

RT: 15.43 min Scan# 2269

Delta R.T. -0.02 min

Lab File: BF119699.D

Acq: 2 Apr 2020 6:13

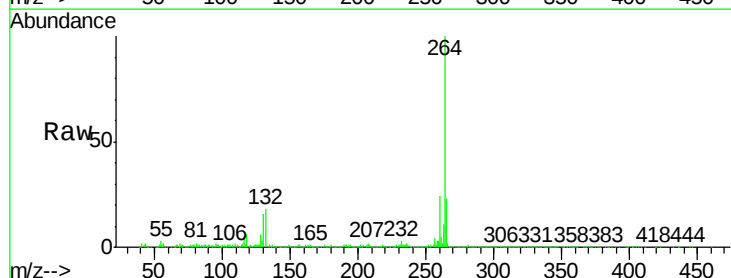
Tgt Ion:264 Resp: 458644

Ion Ratio Lower Upper

264 100

260 23.8 18.7 28.1

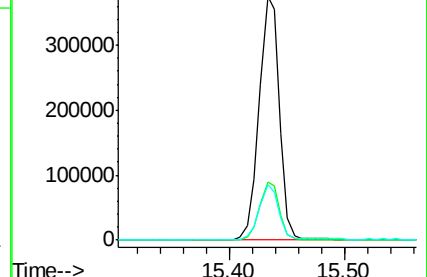
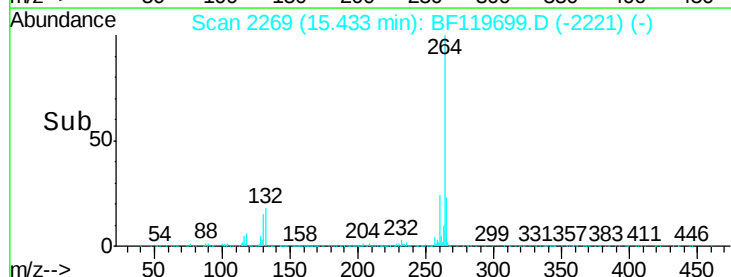
265 23.0 17.7 26.5

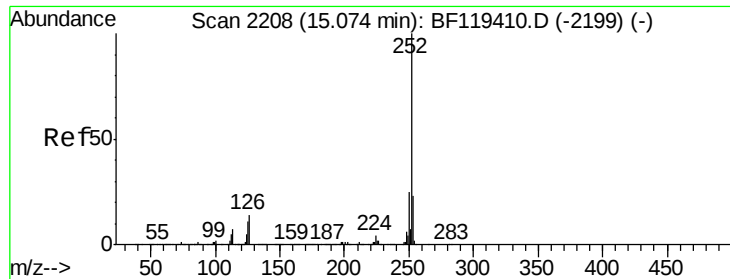


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

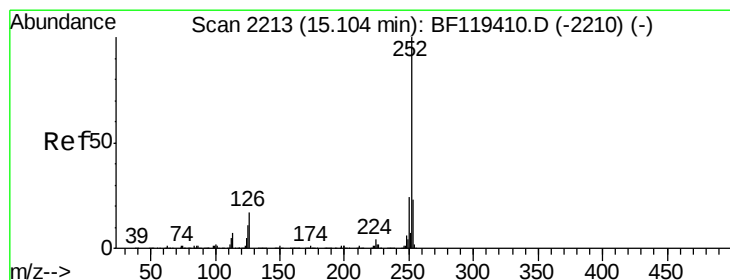
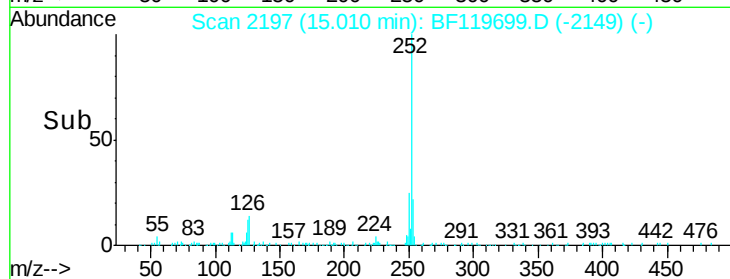
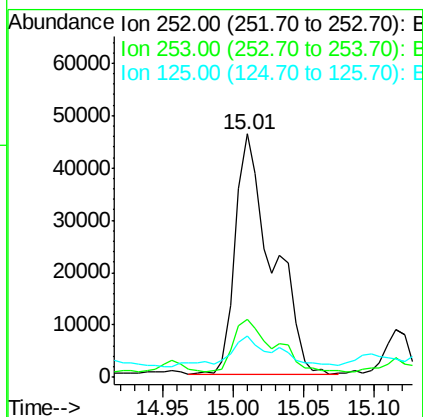
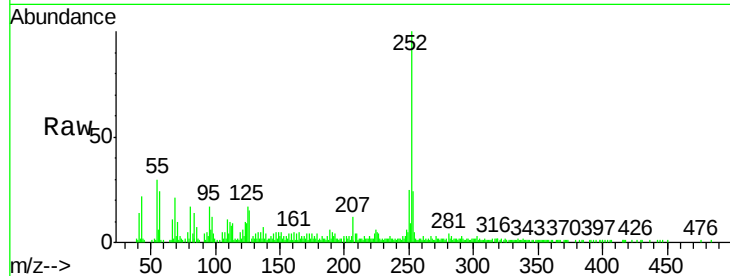




#88  
Benzo(b)fluoranthene  
Concen: 2.72 ng  
RT: 15.01 min Scan# 2197  
Delta R.T. -0.02 min  
Lab File: BF119699.D  
Acq: 2 Apr 2020 6:13

Instrument :  
BNA\_F  
ClientSampleId :  
SB-10-(1-3)

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.7  | 17.4  | 26.0  |
| 125     | 17.1  | 7.9   | 11.9# |



#89  
Benzo(k)fluoranthene  
Concen: 2.85 ng  
RT: 15.01 min Scan# 2197  
Delta R.T. -0.05 min  
Lab File: BF119699.D  
Acq: 2 Apr 2020 6:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.7  | 17.8  | 26.6  |
| 125     | 17.1  | 8.4   | 12.6# |

