

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091319\  
 Data File : BF117038.D  
 Acq On : 13 Sep 2019 22:25  
 Operator : HP/JU  
 Sample : K4822-11RE  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-3B-(9-10)RE

Quant Time: Sep 14 00:20:07 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 13 16:23:17 2019  
 Response via : Initial Calibration

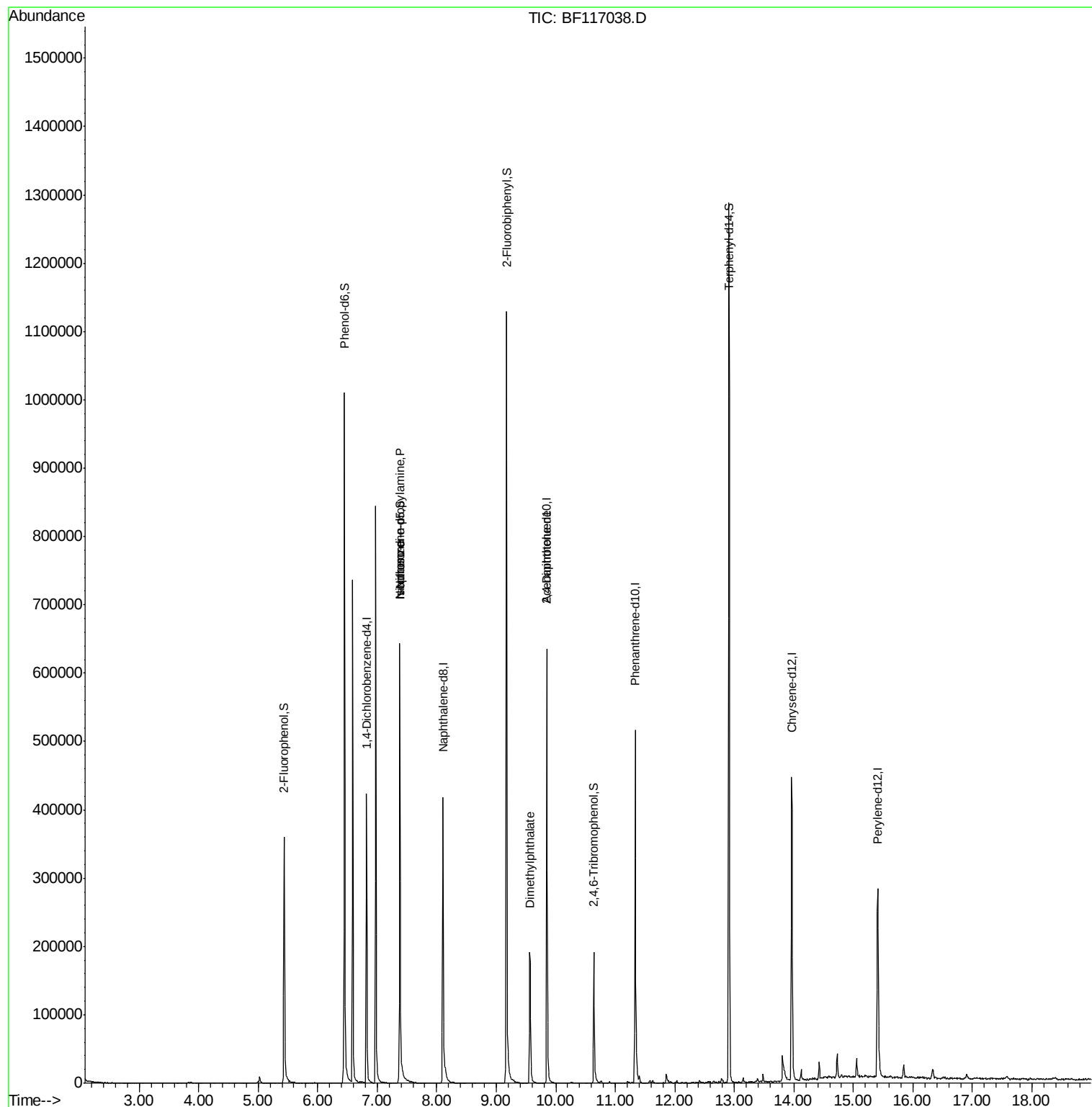
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.82  | 152  | 64567    | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.10  | 136  | 260863   | 20.00     | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.85  | 164  | 135753   | 20.00     | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.33 | 188  | 234761   | 20.00     | ng    | 0.00     |
| 76) Chrysene-d12               | 13.96 | 240  | 179534   | 20.00     | ng    | -0.01    |
| 87) Perylene-d12               | 15.41 | 264  | 159029   | 20.00     | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.43  | 112  | 129431   | 31.30     | ng    | 0.00     |
| 7) Phenol-d6                   | 6.45  | 99   | 359437   | 67.25     | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.38  | 82   | 259026   | 52.17     | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.64 | 330  | 28842    | 25.42     | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.17  | 172  | 426058   | 49.07     | ng    | 0.00     |
| 79) Terphenyl-d14              | 12.91 | 244  | 435484   | 45.34     | ng    | 0.00     |
| Target Compounds               |       |      |          |           |       |          |
| 9) Benzaldehyde                | 6.45  | 77   | 349      | Below Cal |       | Qvalue   |
| 19) n-Nitroso-di-n-propylamine | 7.38  | 70   | 32415    | 9.960 ng  | #     | 1        |
| 25) Isophorone                 | 7.38  | 82   | 259024   | 29.466 ng | #     | 79       |
| 50) Dimethylphthalate          | 9.56  | 163  | 110098   | 11.454 ng | #     | 66       |
| 57) 2,4-Dinitrotoluene         | 9.85  | 165  | 17432    | 6.860 ng  | #     | 99       |
|                                |       |      |          |           | #     | 18       |

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

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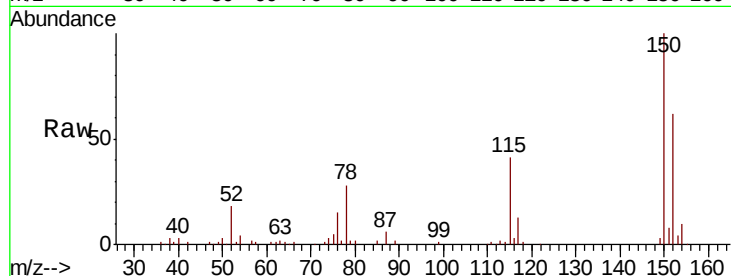


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.82 min Scan# 805  
Delta R.T. 0.00 min  
Lab File: BF117038.D  
Acq: 13 Sep 2019 22:25

Instrument :  
BNA\_F  
ClientSampleId :  
SB-3B-(9-10)RE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 160.2 | 127.5 | 191.3 |
| 115     | 66.0  | 55.0  | 82.4  |

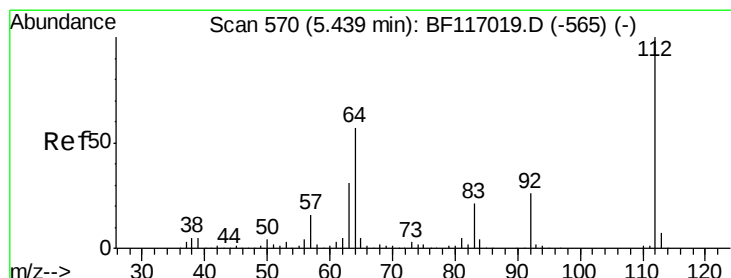
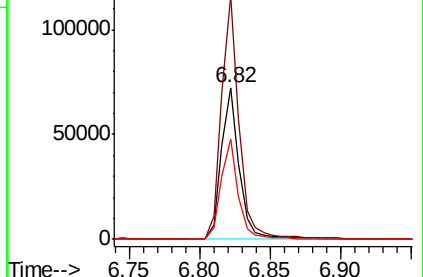
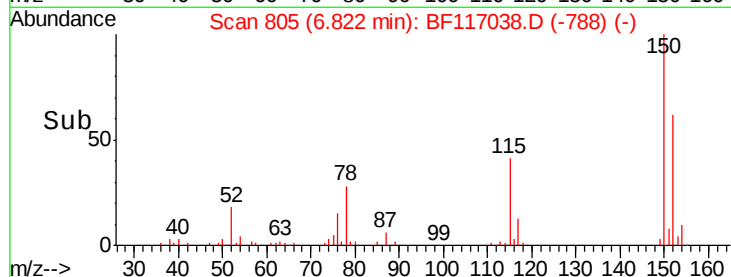


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

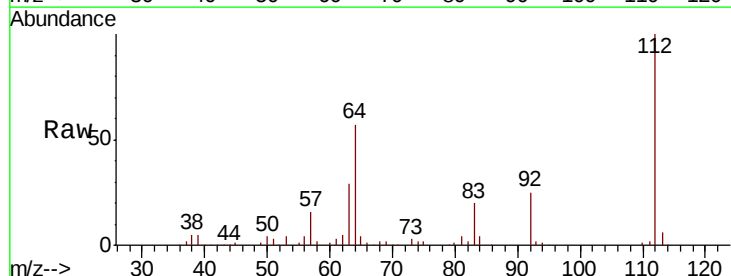
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 31.297 ng  
RT: 5.43 min Scan# 569  
Delta R.T. -0.01 min  
Lab File: BF117038.D  
Acq: 13 Sep 2019 22:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 57.1  | 45.7  | 68.5  |
| 63      | 28.8  | 24.9  | 37.3  |

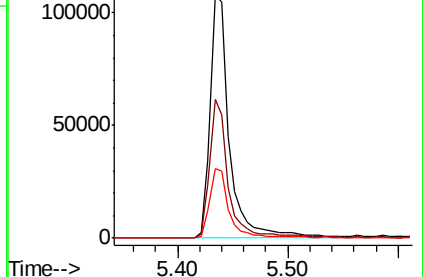
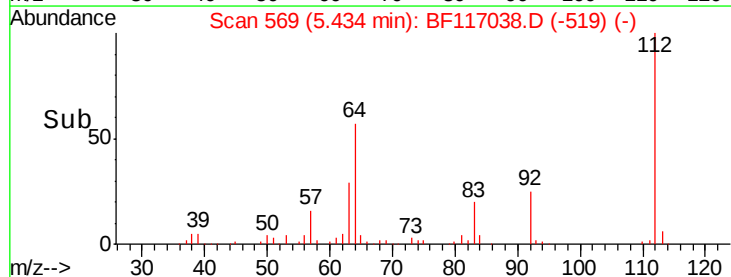


Abundance

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: 67.251 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF117038.D

Acq: 13 Sep 2019 22:25

Instrument :

BNA\_F

ClientSampleId :

SB-3B-(9-10)RE

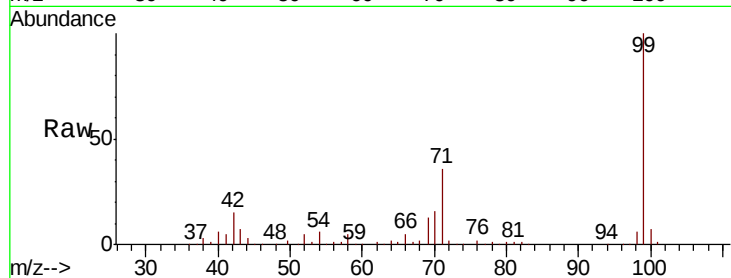
Tot Ion: 99 Resp: 359437

Ion Ratio Lower Upper

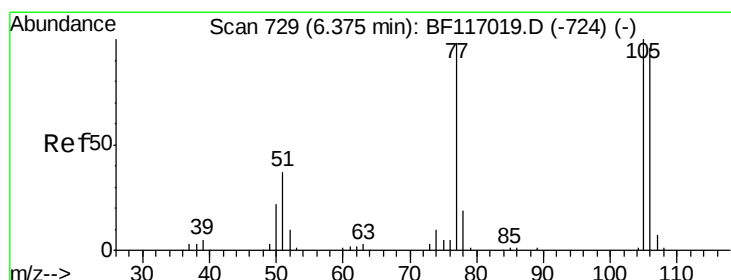
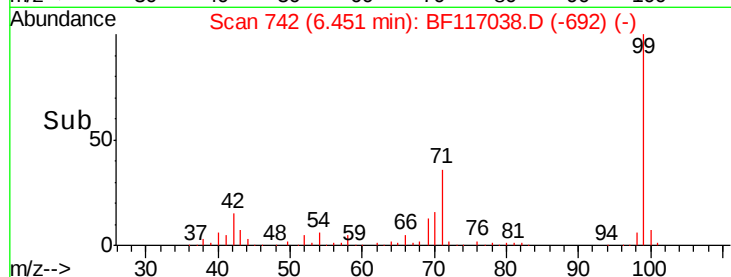
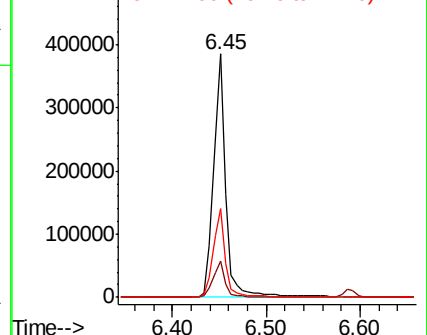
99 100

42 14.6 12.2 18.2

71 36.3 29.8 44.8



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



#9

Benzaldehyde

Concen: Below Cal

RT: 6.45 min Scan# 742

Delta R.T. 0.08 min

Lab File: BF117038.D

Acq: 13 Sep 2019 22:25

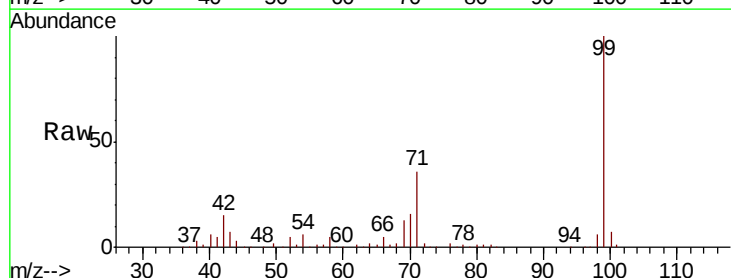
Tgt Ion: 77 Resp: 349

Ion Ratio Lower Upper

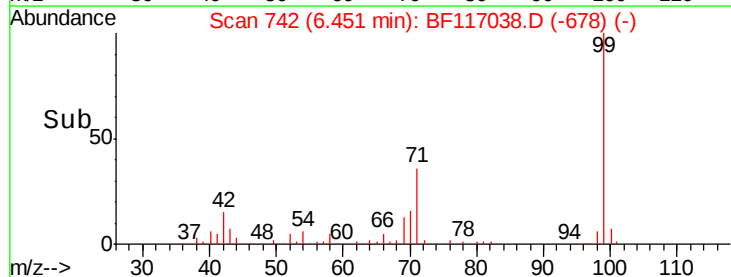
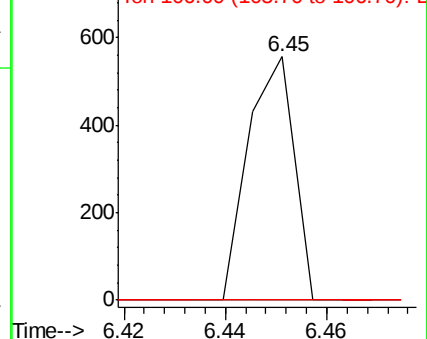
77 100

105 0.0 81.8 121.8#

106 0.0 77.3 117.3#



Abundance Ion 77.00 (76.70 to 77.70): BF1  
Ion 105.00 (104.70 to 105.70): E  
Ion 106.00 (105.70 to 106.70): E

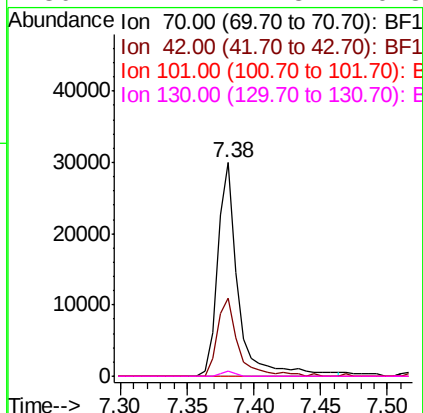
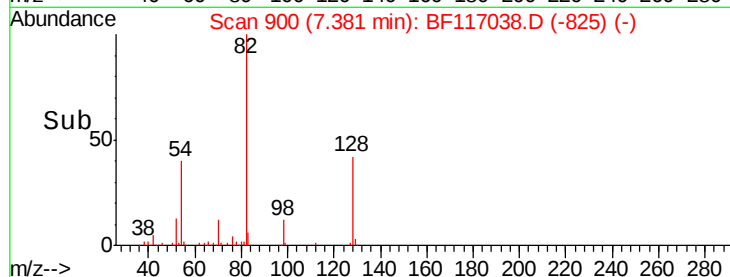
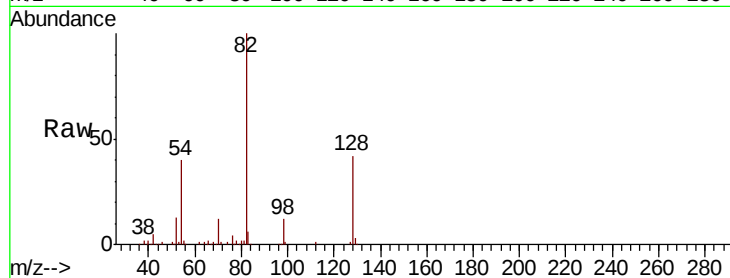




#19  
n-Nitroso-di-n-propylamine  
Concen: 9.960 ng  
RT: 7.38 min Scan# 900  
Delta R.T. 0.14 min  
Lab File: BF117038.D  
Acq: 13 Sep 2019 22:25

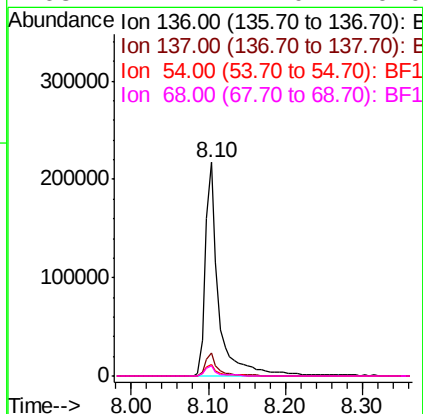
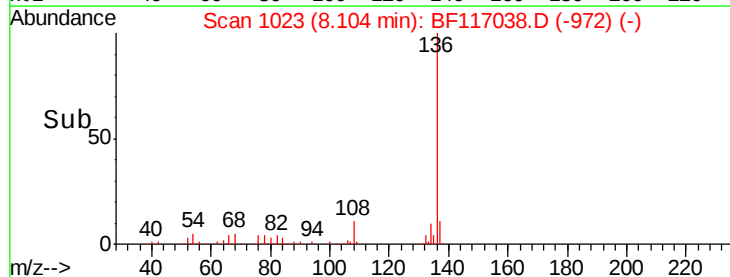
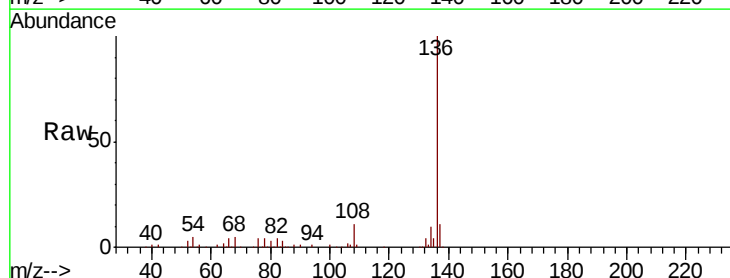
Instrument :  
BNA\_F  
ClientSampleId :  
SB-3B-(9-10)RE

Tot Ion: 70 Resp: 32415  
Ion Ratio Lower Upper  
70 100  
42 36.7 34.0 51.0  
101 0.0 7.8 11.6#  
130 2.4 17.8 26.8#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.10 min Scan# 1023  
Delta R.T. 0.00 min  
Lab File: BF117038.D  
Acq: 13 Sep 2019 22:25

Tgt Ion: 136 Resp: 260863  
Ion Ratio Lower Upper  
136 100  
137 10.7 9.0 13.4  
54 5.2 4.5 6.7  
68 4.7 4.0 6.0

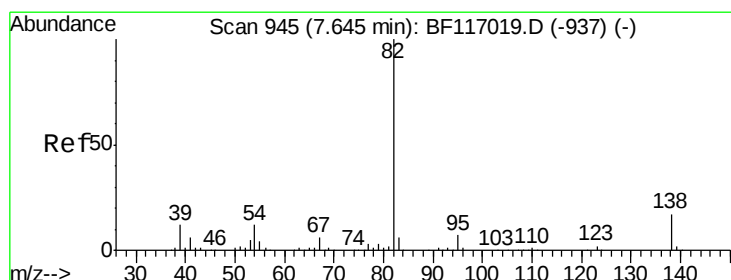
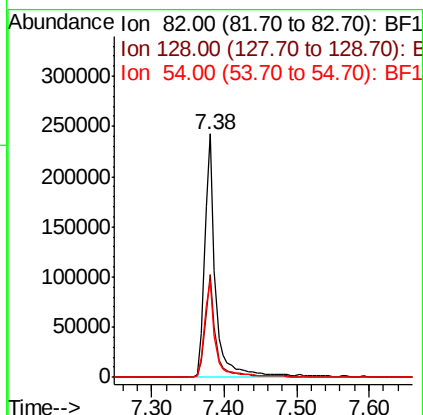
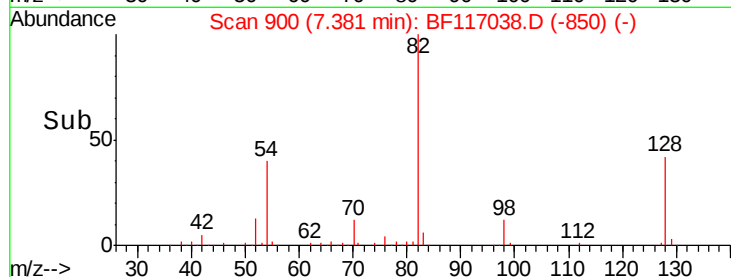
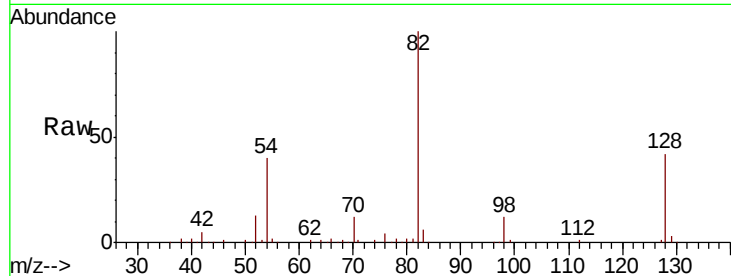




#23  
 Nitrobenzene-d5  
 Concen: 52.172 ng  
 RT: 7.38 min Scan# 900  
 Delta R.T. -0.01 min  
 Lab File: BF117038.D  
 Acq: 13 Sep 2019 22:25

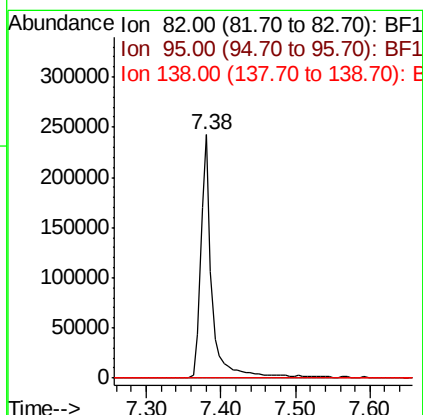
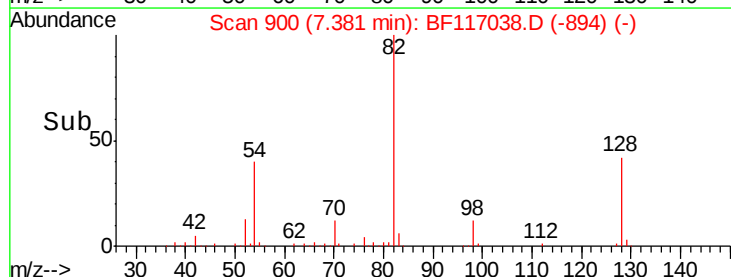
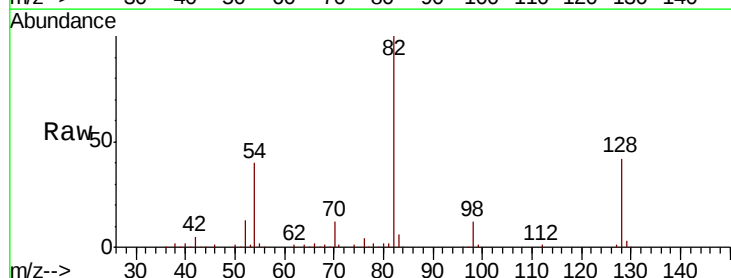
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-3B-(9-10)RE

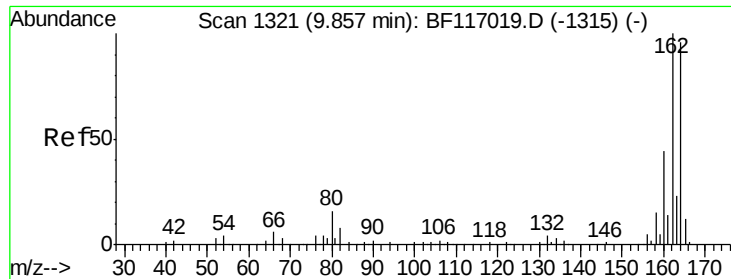
| Tot Ion   | 82    | Resp  | 259026 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 42.4  | 32.3  | 48.5   |
| 54        | 39.8  | 33.3  | 49.9   |



#25  
 Isophorone  
 Concen: 29.466 ng  
 RT: 7.38 min Scan# 900  
 Delta R.T. -0.26 min  
 Lab File: BF117038.D  
 Acq: 13 Sep 2019 22:25

| Tgt Ion   | 82    | Resp  | 259024 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 0.0   | 5.8   | 8.6#   |
| 138       | 0.0   | 13.5  | 20.3#  |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF117038.D

Acq: 13 Sep 2019 22:25

Instrument :

BNA\_F

ClientSampleId :

SB-3B-(9-10)RE

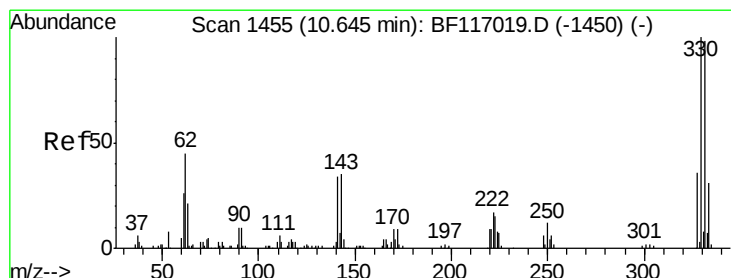
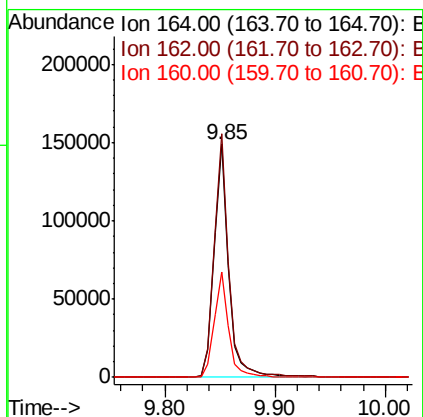
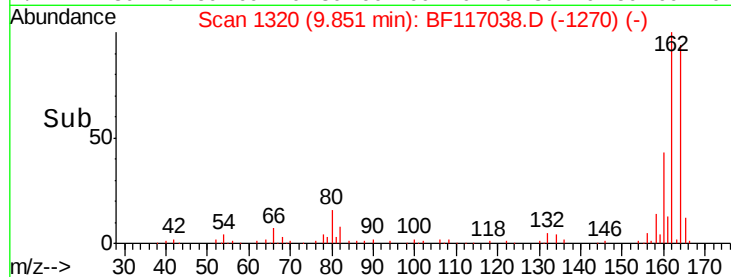
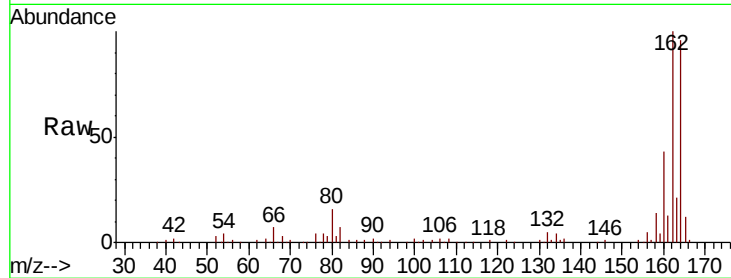
Tot Ion:164 Resp: 135753

Ion Ratio Lower Upper

164 100

162 104.5 83.4 125.2

160 45.0 36.4 54.6



#42

2,4,6-Tribromophenol

Concen: 25.421 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF117038.D

Acq: 13 Sep 2019 22:25

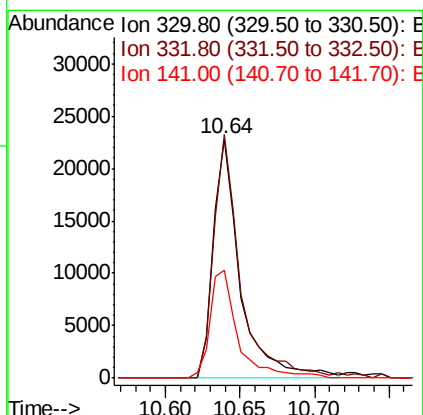
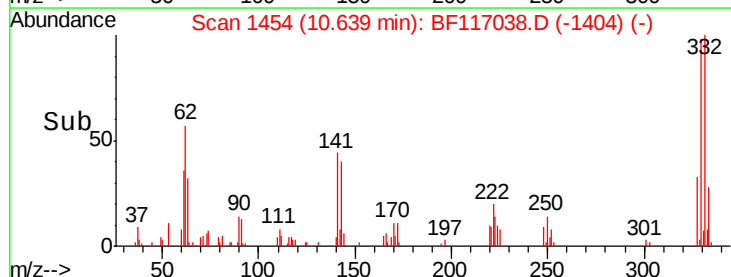
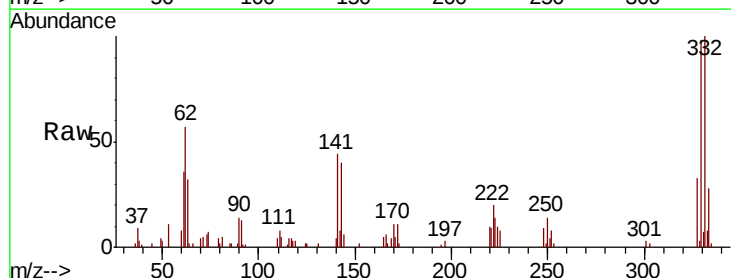
Tgt Ion:330 Resp: 28842

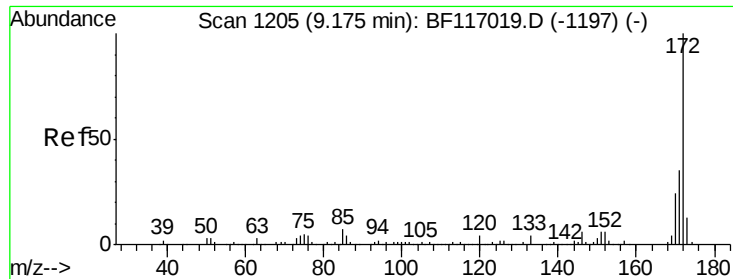
Ion Ratio Lower Upper

330 100

332 102.7 78.0 117.0

141 46.8 35.8 53.6

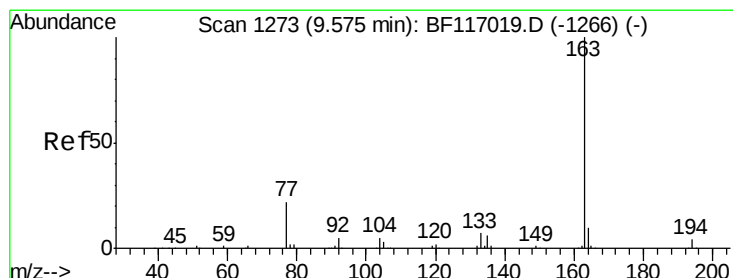
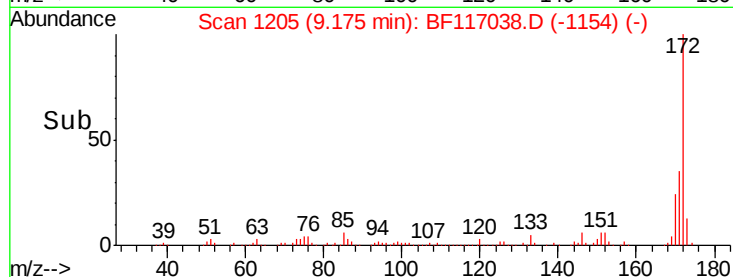
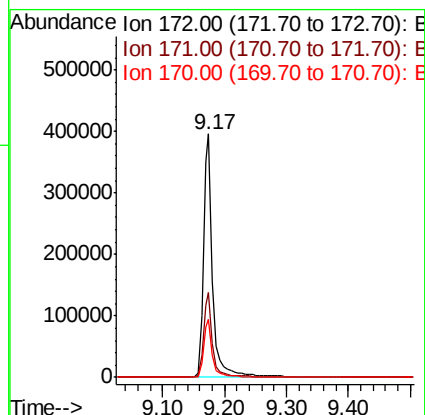
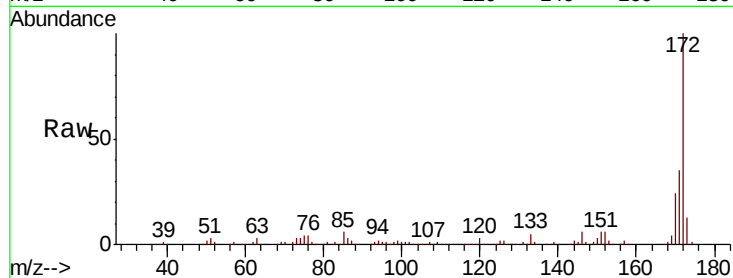




#45  
2-Fluorobiphenyl  
Concen: 49.072 ng  
RT: 9.17 min Scan# 1205  
Delta R.T. 0.00 min  
Lab File: BF117038.D  
Acq: 13 Sep 2019 22:25

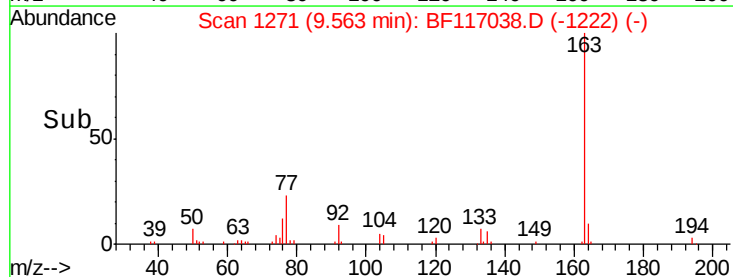
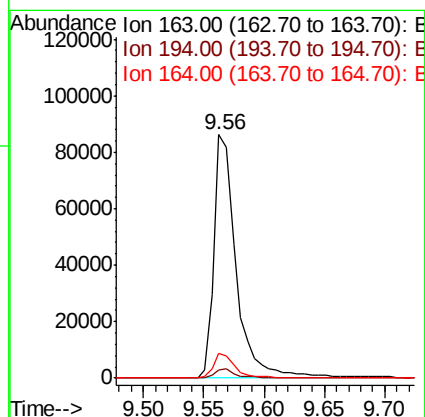
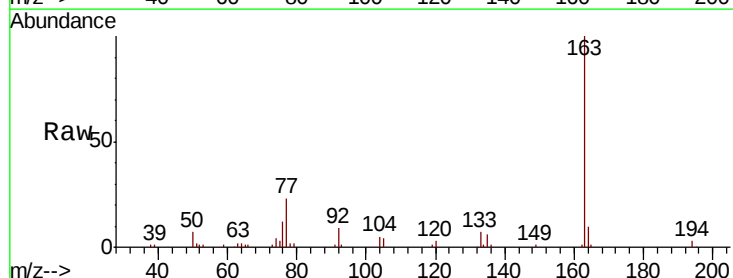
Instrument :  
BNA\_F  
ClientSampleId :  
SB-3B-(9-10)RE

Tot Ion:172 Resp: 426058  
Ion Ratio Lower Upper  
172 100  
171 34.8 28.2 42.2  
170 23.7 18.9 28.3



#50  
Dimethylphthalate  
Concen: 11.454 ng  
RT: 9.56 min Scan# 1271  
Delta R.T. -0.01 min  
Lab File: BF117038.D  
Acq: 13 Sep 2019 22:25

Tgt Ion:163 Resp: 110098  
Ion Ratio Lower Upper  
163 100  
194 3.3 2.9 4.3  
164 10.1 8.2 12.4

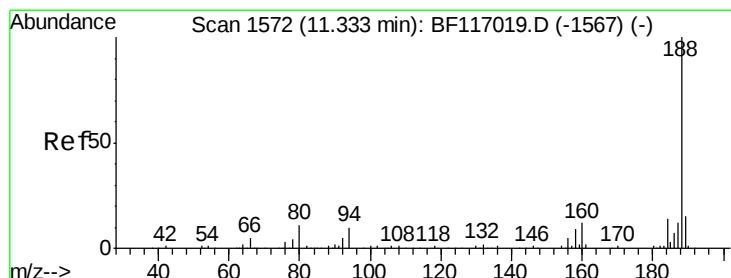
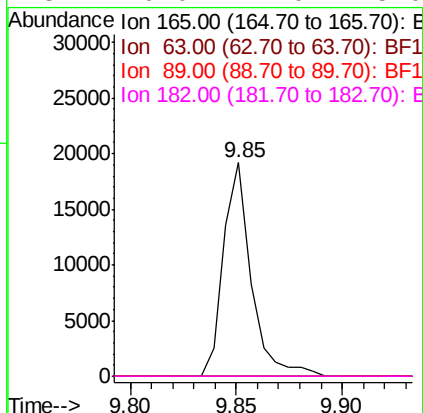
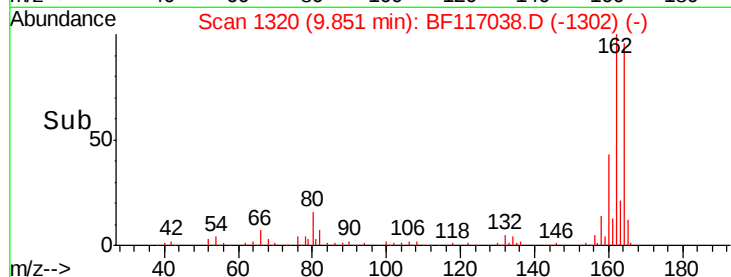
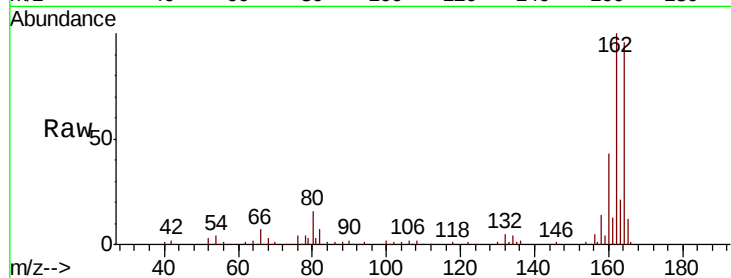




#57  
 2,4-Dinitrotoluene  
 Concen: 6.860 ng  
 RT: 9.85 min Scan# 1320  
 Delta R.T. -0.19 min  
 Lab File: BF117038.D  
 Acq: 13 Sep 2019 22:25

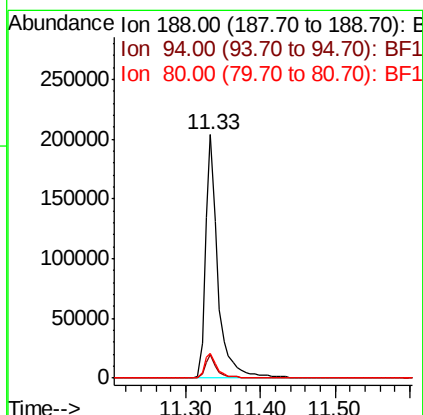
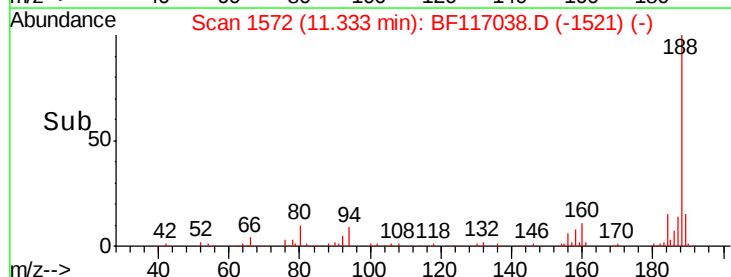
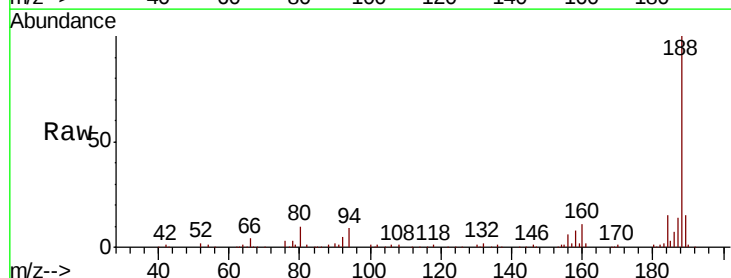
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-3B-(9-10)RE

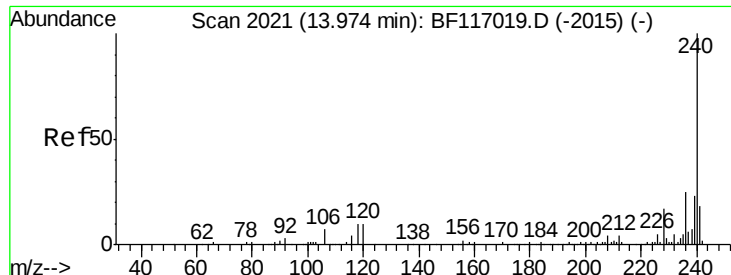
Tot Ion:165 Resp: 17432  
 Ion Ratio Lower Upper  
 165 100  
 63 0.0 35.0 52.4#  
 89 0.0 66.1 99.1#  
 182 0.0 2.0 3.0#



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.33 min Scan# 1572  
 Delta R.T. 0.00 min  
 Lab File: BF117038.D  
 Acq: 13 Sep 2019 22:25

Tgt Ion:188 Resp: 234761  
 Ion Ratio Lower Upper  
 188 100  
 94 9.5 8.2 12.2  
 80 10.1 9.0 13.6

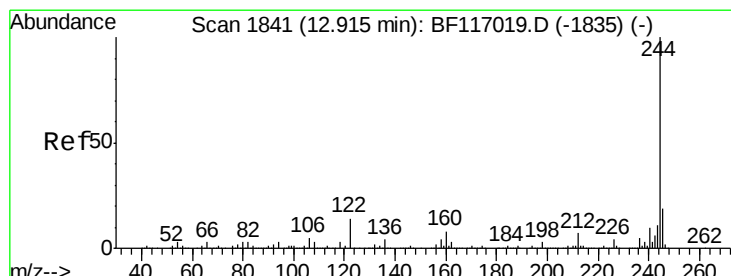
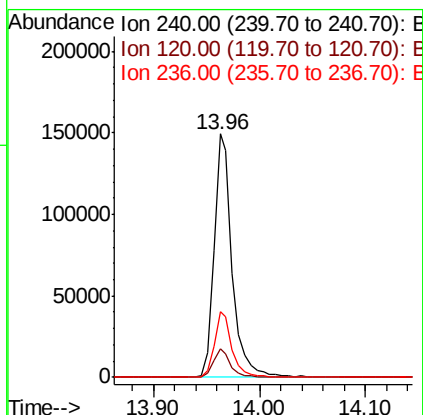
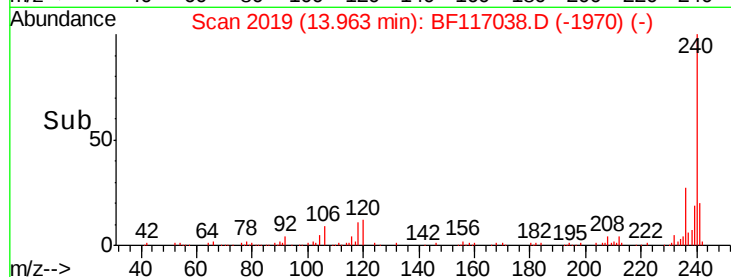
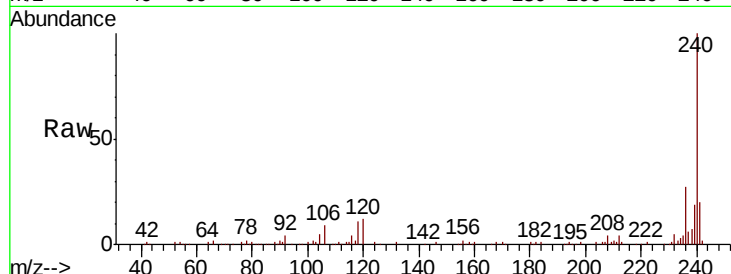




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.96 min Scan# 2019  
Delta R.T. -0.01 min  
Lab File: BF117038.D  
Acq: 13 Sep 2019 22:25

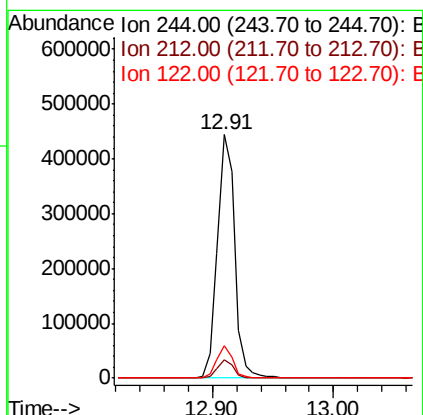
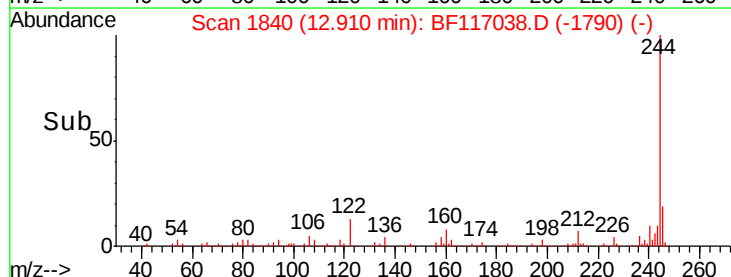
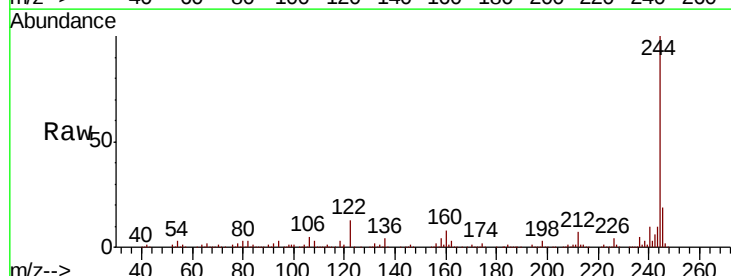
Instrument :  
BNA\_F  
ClientSampleId :  
SB-3B-(9-10)RE

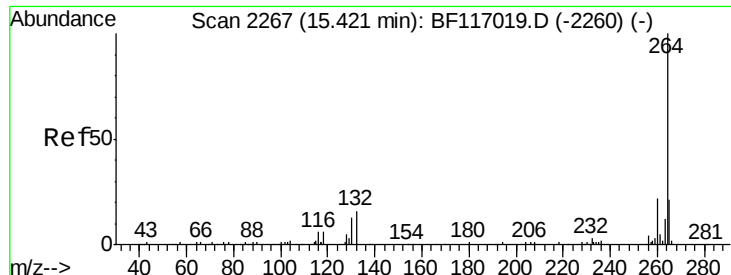
Tot Ion:240 Resp: 179534  
Ion Ratio Lower Upper  
240 100  
120 11.6 8.3 12.5  
236 27.0 20.3 30.5



#79  
Terphenyl-d14  
Concen: 45.341 ng  
RT: 12.91 min Scan# 1840  
Delta R.T. -0.01 min  
Lab File: BF117038.D  
Acq: 13 Sep 2019 22:25

Tgt Ion:244 Resp: 435484  
Ion Ratio Lower Upper  
244 100  
212 7.5 5.8 8.8  
122 13.1 11.3 16.9





#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.41 min Scan# 2265  
Delta R.T. -0.01 min  
Lab File: BF117038.D  
Acq: 13 Sep 2019 22:25

Instrument :  
BNA\_F  
ClientSampleId :  
SB-3B-(9-10)RE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.9  | 17.6  | 26.4  |
| 265     | 20.5  | 16.6  | 24.8  |

