

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091619\  
 Data File : BF117060.D  
 Acq On : 16 Sep 2019 13:58  
 Operator : HP/JU  
 Sample : K4871-01  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Sep 17 05:11:38 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  | 55801    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.10  | 136  | 225016   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.85  | 164  | 117951   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.33 | 188  | 185503   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 13.97 | 240  | 118286   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.42 | 264  | 119786   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.45  | 112  | 177353   | 49.62  | ng    | 0.00     |
| 7) Phenol-d6                | 6.46  | 99   | 150157   | 32.51  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.38  | 82   | 347967   | 81.25  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.64 | 330  | 116571   | 118.25 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.17  | 172  | 606918   | 80.45  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.92 | 244  | 493029   | 77.91  | ng    | 0.00     |

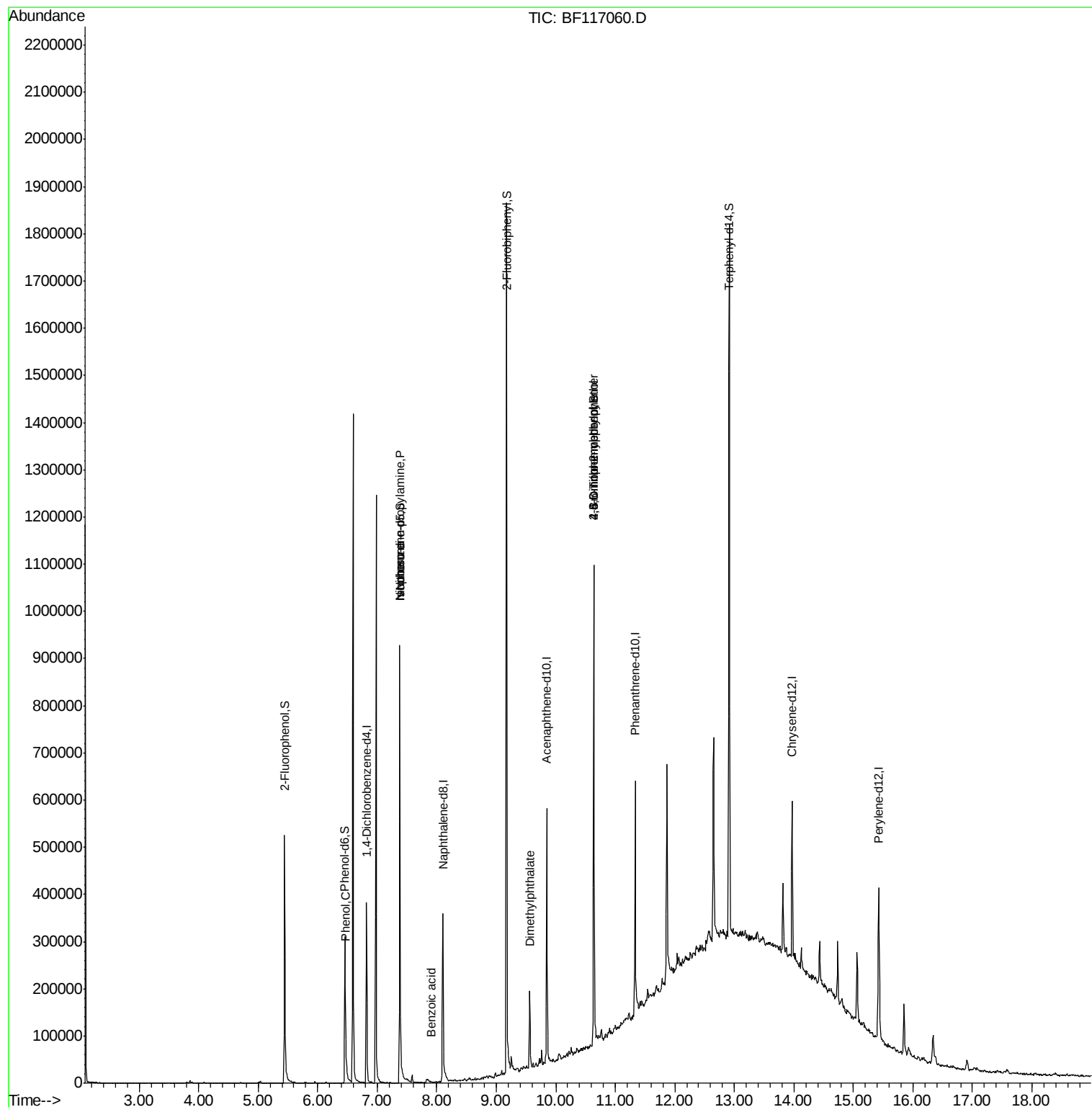
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units | Qvalue |
|--------------------------------|-------|------|----------|-----------|-------|--------|
| 9) Benzaldehyde                | 6.46  | 77   | 392      | Below Cal | #     | 1      |
| 10) Phenol                     | 6.47  | 94   | 29278    | 5.750     | ng    | 95     |
| 19) n-Nitroso-di-n-propylamine | 7.38  | 70   | 46990    | 16.707    | ng    | 79     |
| 25) Isophorone                 | 7.38  | 82   | 347963   | 45.890    | ng    | 66     |
| 32) Benzoic acid               | 7.90  | 122  | 783      | 6.904     | ng    | 68     |
| 50) Dimethylphthalate          | 9.56  | 163  | 51974    | 6.223     | ng    | 99     |
| 65) 4,6-Dinitro-2-methylphenol | 10.64 | 198  | 145      | 7.049     | ng    | 1      |
| 67) 4-Bromophenyl-phenylether  | 10.64 | 248  | 7532     | 3.976     | ng    | 1      |
| 69) Atrazine                   | 11.07 | 200  | 111      | Below Cal | #     | 1      |

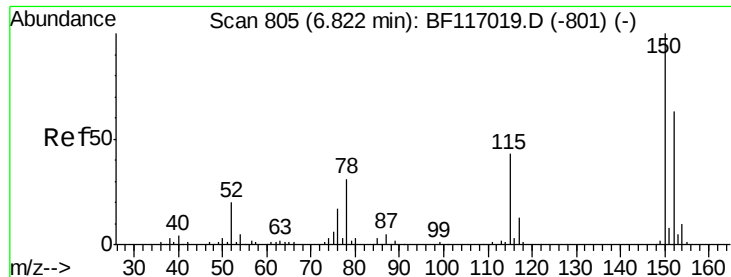
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : K4871-01  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

Quant Time: Sep 17 05:11:38 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



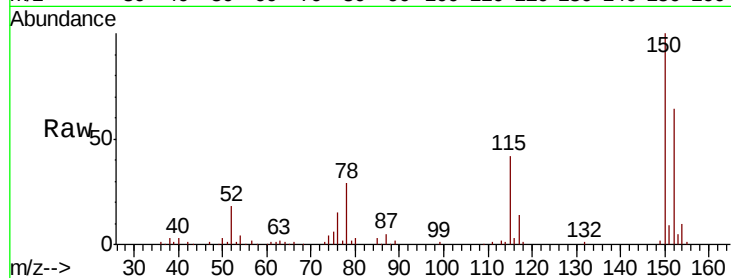


#1

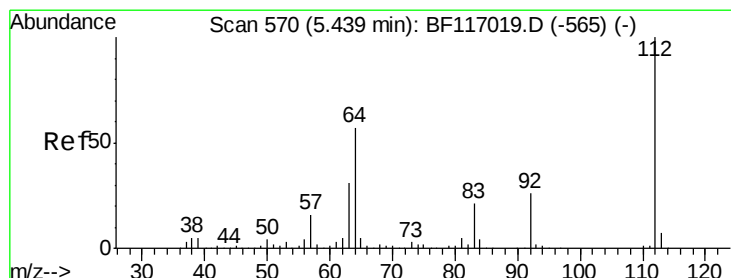
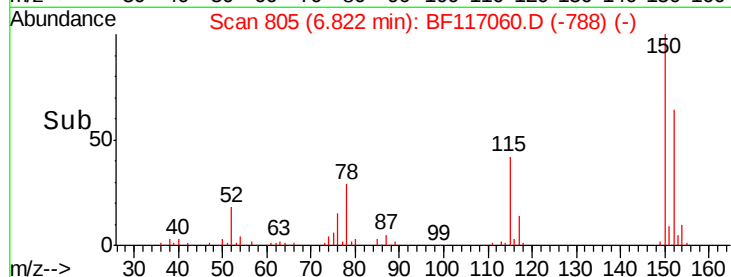
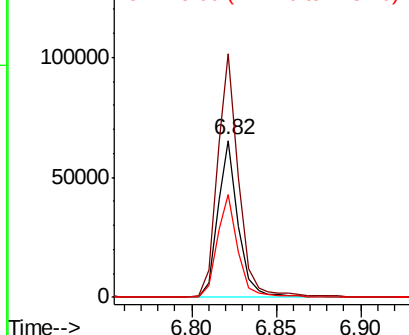
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.82 min Scan# 805  
Delta R.T. 0.00 min  
Lab File: BF117060.D  
Acq: 16 Sep 2019 13:58

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:152 Resp: 55801  
Ion Ratio Lower Upper  
152 100  
150 155.1 127.5 191.3  
115 65.7 55.0 82.4



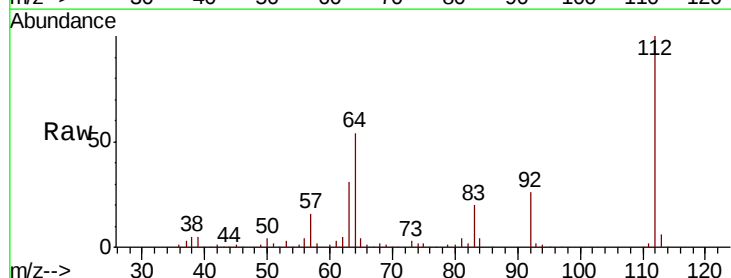
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



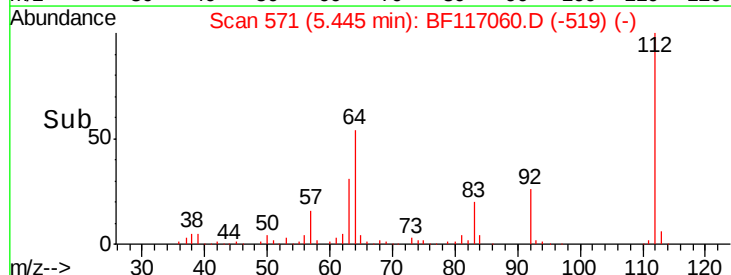
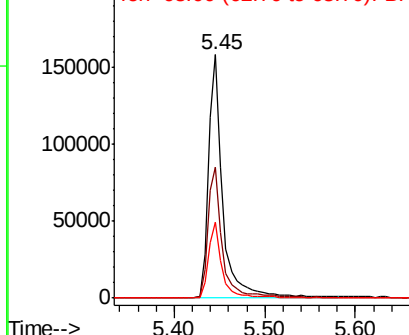
#5

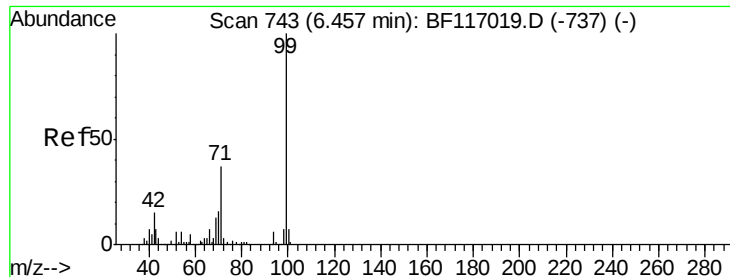
2-Fluorophenol  
Concen: 49.621 ng  
RT: 5.45 min Scan# 571  
Delta R.T. 0.01 min  
Lab File: BF117060.D  
Acq: 16 Sep 2019 13:58

Tgt Ion:112 Resp: 177353  
Ion Ratio Lower Upper  
112 100  
64 53.7 45.7 68.5  
63 30.9 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: 32.508 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF117060.D

Acq: 16 Sep 2019 13:58

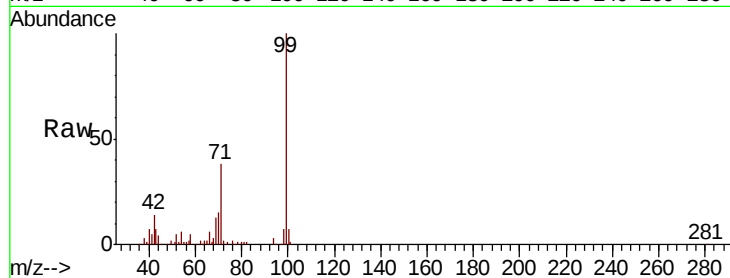
Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 99 Resp: 150157

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 14.0  | 12.2  | 18.2  |
| 71  | 37.6  | 29.8  | 44.8  |

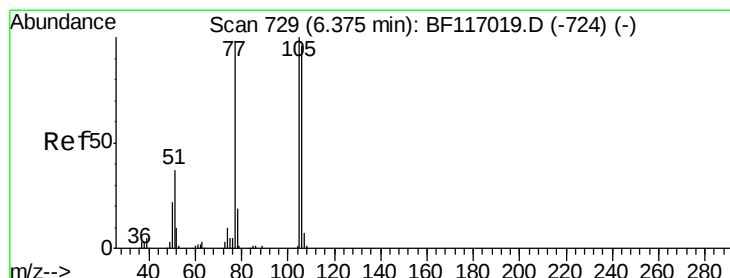
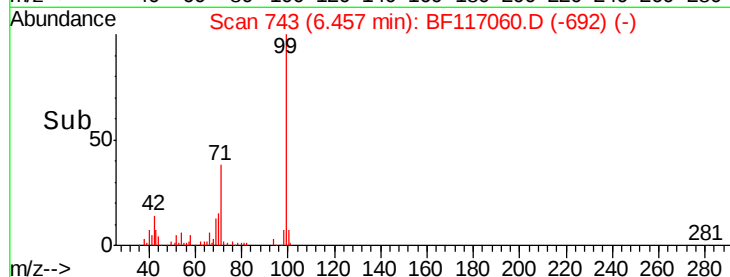


Abundance

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: 6.46 min Scan# 743

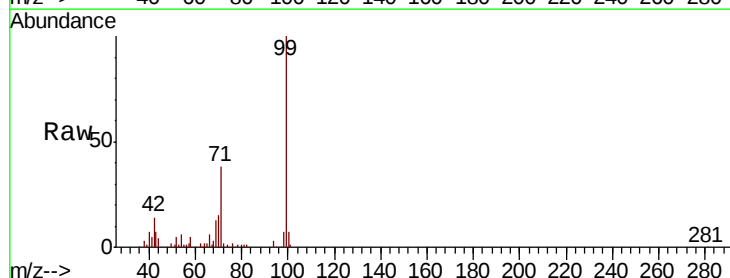
Delta R.T. 0.08 min

Lab File: BF117060.D

Acq: 16 Sep 2019 13:58

Tgt Ion: 77 Resp: 392

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 77  | 100   |       |        |
| 105 | 0.0   | 81.8  | 121.8# |
| 106 | 0.0   | 77.3  | 117.3# |

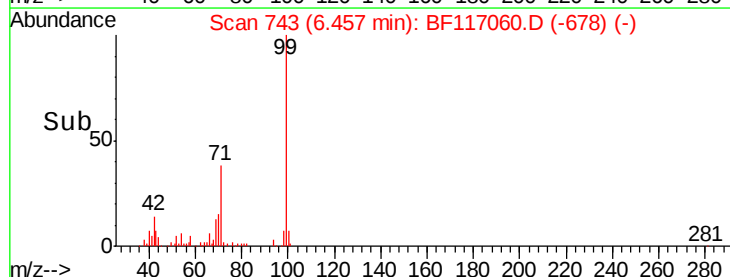


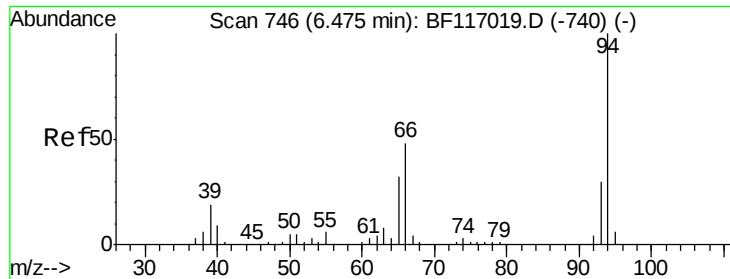
Abundance

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





#10

Phenol

Concen: 5.750 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF117060.D

Acq: 16 Sep 2019 13:58

Instrument :

BNA\_F

ClientSampled :

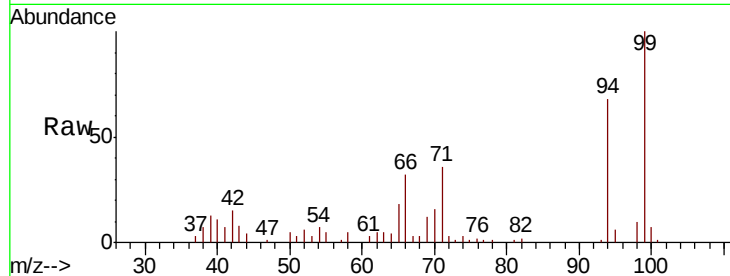
Tot Ion: 94 Resp: 29278

Ion Ratio Lower Upper

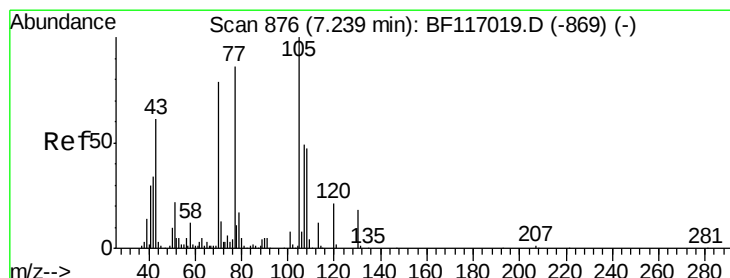
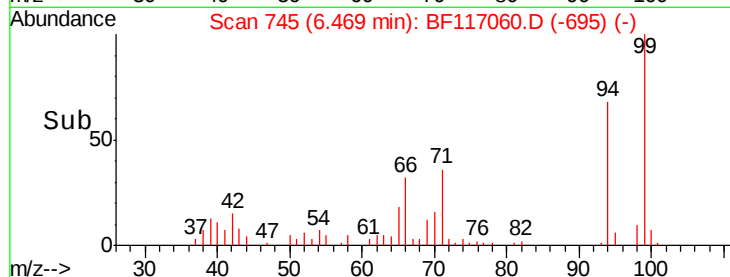
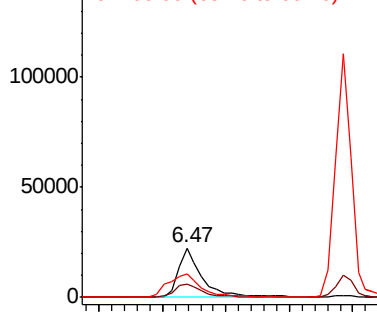
94 100

65 27.2 12.5 52.5

66 47.5 28.9 68.9



Abundance Ion 94.00 (93.70 to 94.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 16.707 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.14 min

Lab File: BF117060.D

Acq: 16 Sep 2019 13:58

Tgt Ion: 70 Resp: 46990

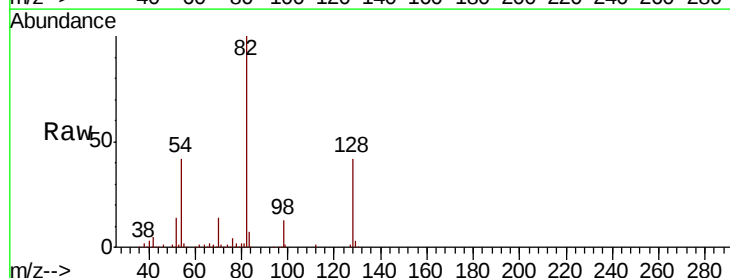
Ion Ratio Lower Upper

70 100

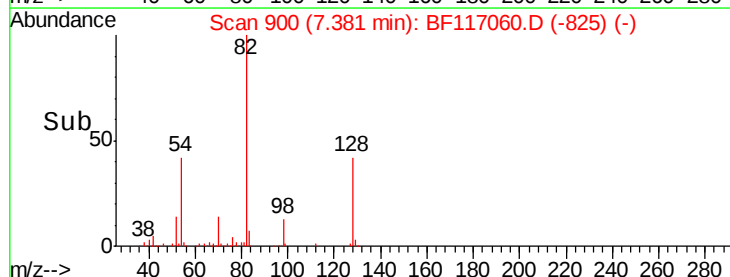
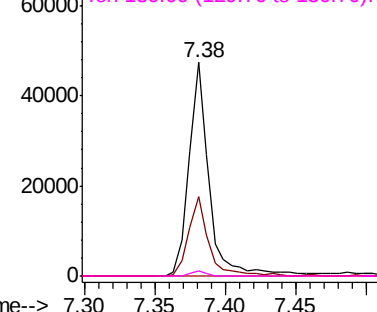
42 36.9 34.0 51.0

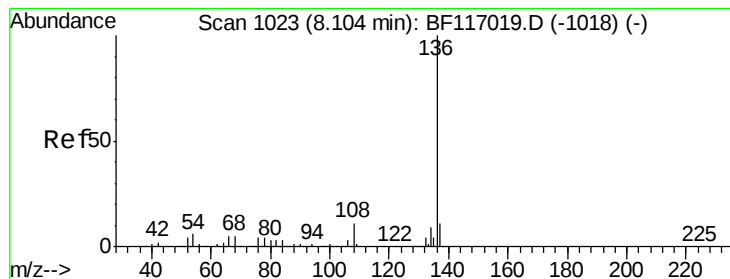
101 0.0 7.8 11.6#

130 2.6 17.8 26.8#



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: 8.10 min Scan# 1023

Delta R.T. 0.00 min

Lab File: BF117060.D

Acq: 16 Sep 2019 13:58

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:136 Resp: 225016

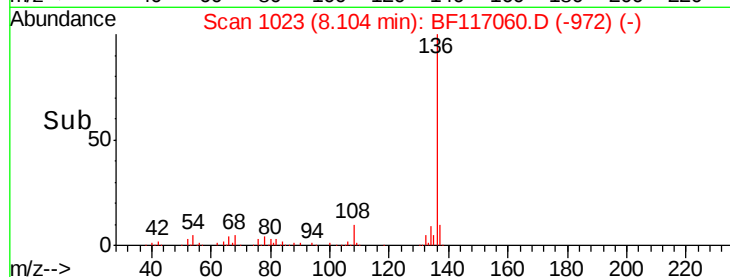
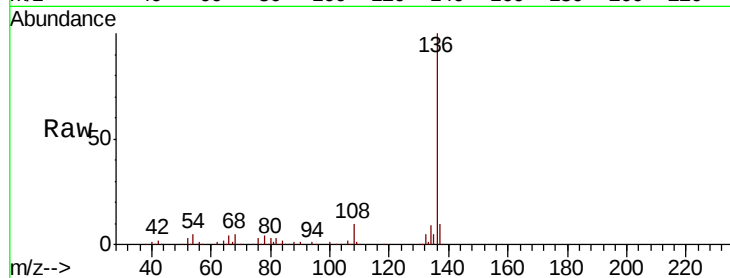
Ion Ratio Lower Upper

136 100

137 10.2 9.0 13.4

54 5.2 4.5 6.7

68 4.8 4.0 6.0

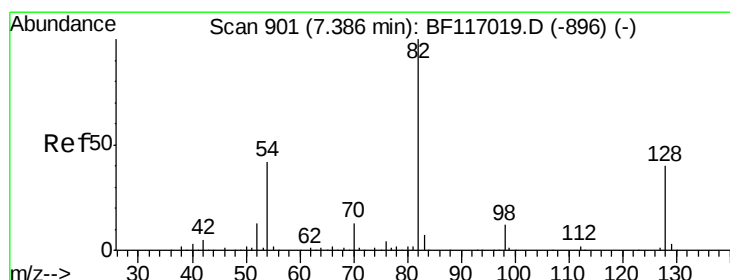
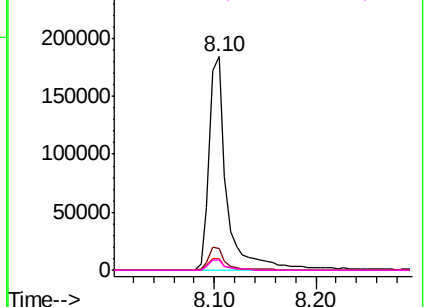


Abundance Ion 136.00 (135.70 to 136.70): E

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: 81.252 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.01 min

Lab File: BF117060.D

Acq: 16 Sep 2019 13:58

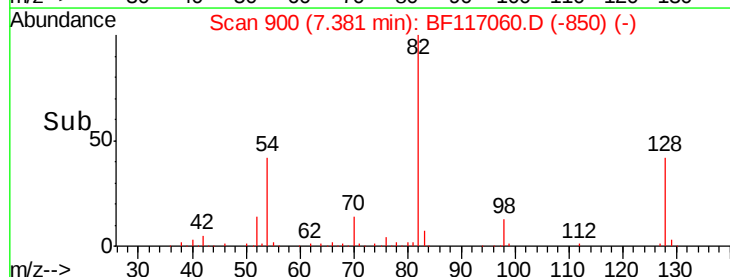
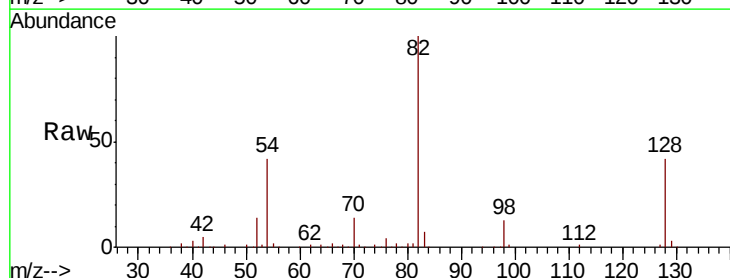
Tgt Ion: 82 Resp: 347967

Ion Ratio Lower Upper

82 100

128 41.7 32.3 48.5

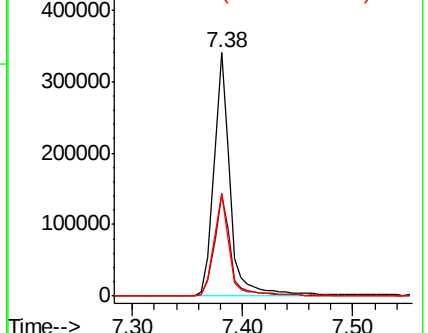
54 42.0 33.3 49.9

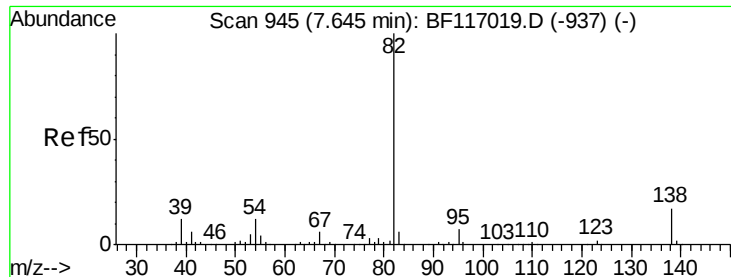


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

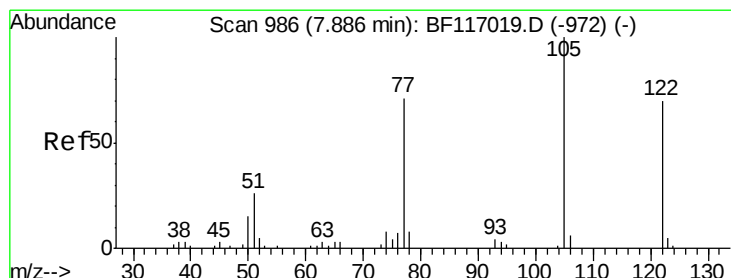
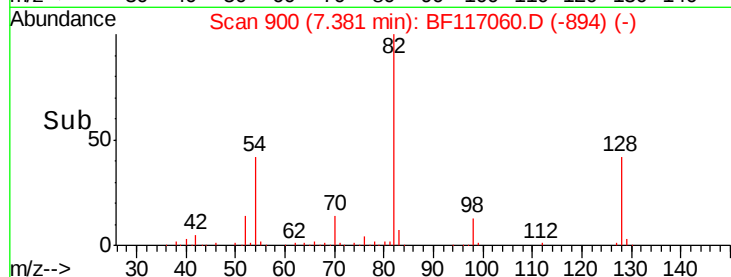
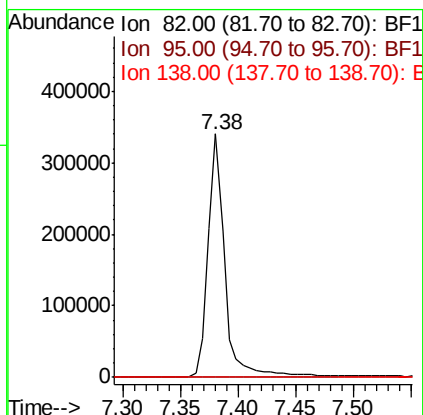
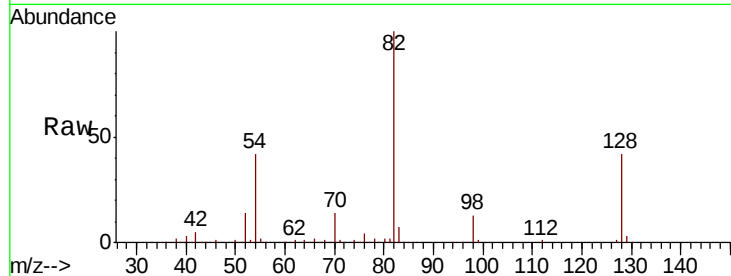




#25  
Isophorone  
Concen: 45.890 ng  
RT: 7.38 min Scan# 900  
Delta R.T. -0.26 min  
Lab File: BF117060.D  
Acq: 16 Sep 2019 13:58

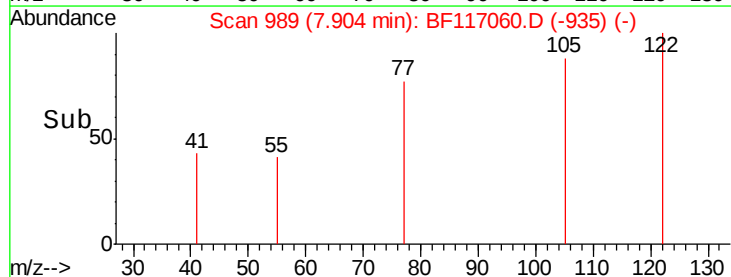
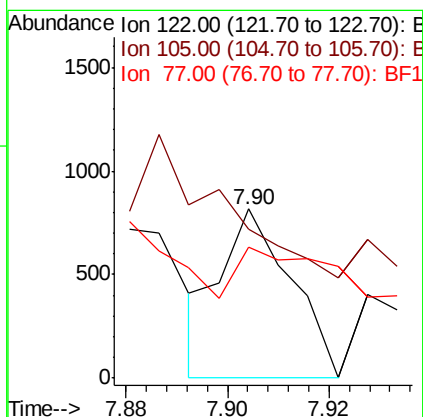
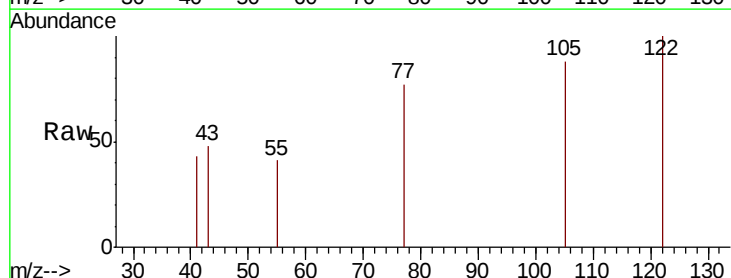
Instrument :  
BNA\_F  
ClientSampleId :

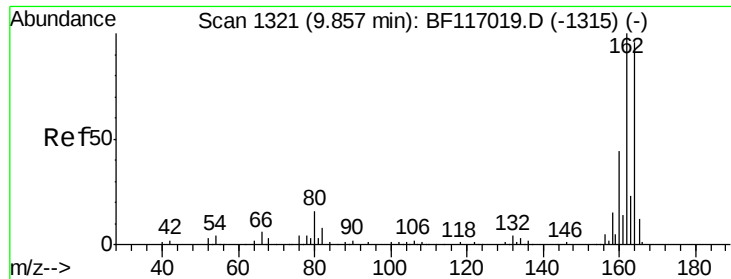
Tot Ion: 82 Resp: 347963  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.8 8.6#  
138 0.0 13.5 20.3#



#32  
Benzoic acid  
Concen: 6.904 ng  
RT: 7.90 min Scan# 989  
Delta R.T. 0.02 min  
Lab File: BF117060.D  
Acq: 16 Sep 2019 13:58

Tgt Ion: 122 Resp: 783  
Ion Ratio Lower Upper  
122 100  
105 88.0 114.8 154.8#  
77 77.5 78.7 118.7#

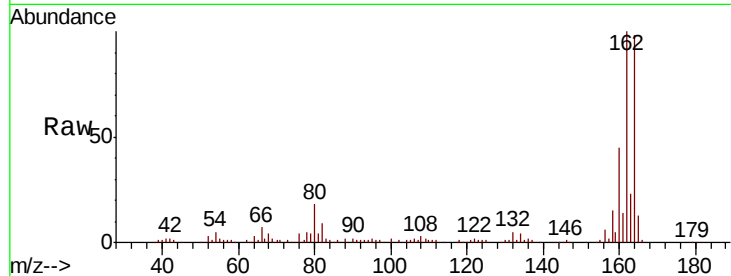




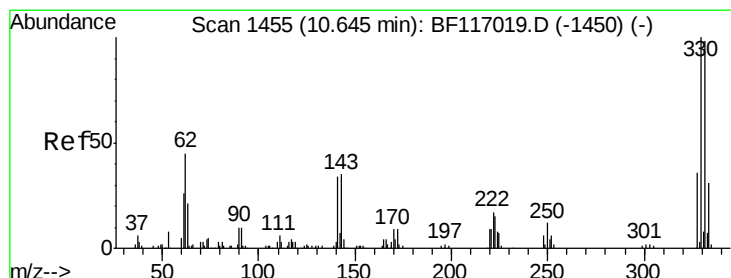
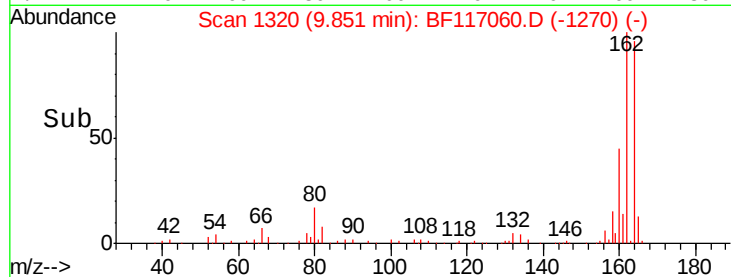
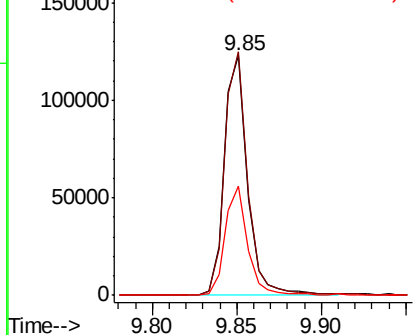
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.85 min Scan# 1320  
Delta R.T. -0.01 min  
Lab File: BF117060.D  
Acq: 16 Sep 2019 13:58

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:164 Resp: 117951  
Ion Ratio Lower Upper  
164 100  
162 101.6 83.4 125.2  
160 45.6 36.4 54.6

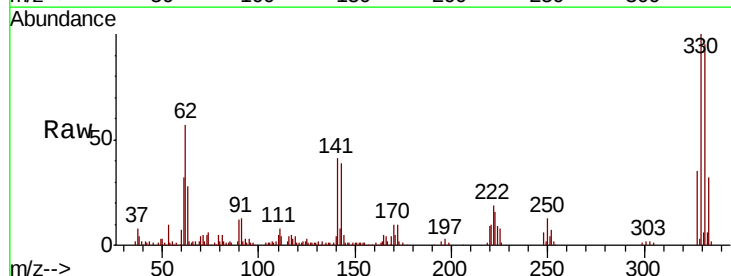


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

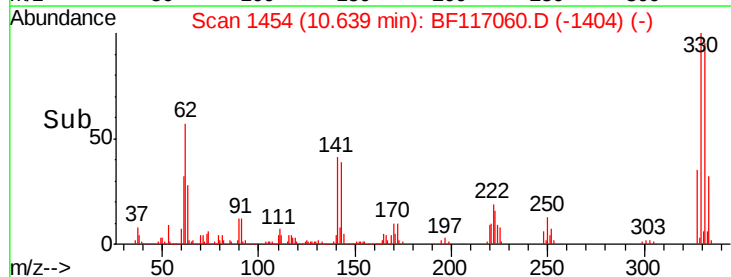
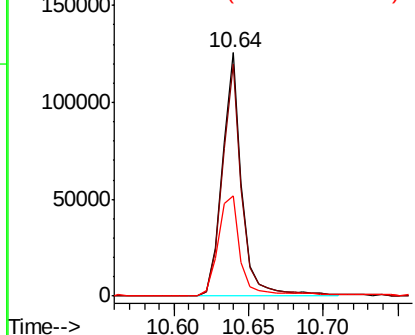


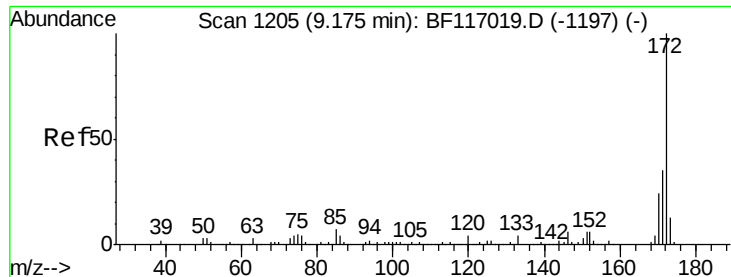
#42  
2,4,6-Tribromophenol  
Concen: 118.250 ng  
RT: 10.64 min Scan# 1454  
Delta R.T. -0.01 min  
Lab File: BF117060.D  
Acq: 16 Sep 2019 13:58

Tgt Ion:330 Resp: 116571  
Ion Ratio Lower Upper  
330 100  
332 96.2 78.0 117.0  
141 49.4 35.8 53.6



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

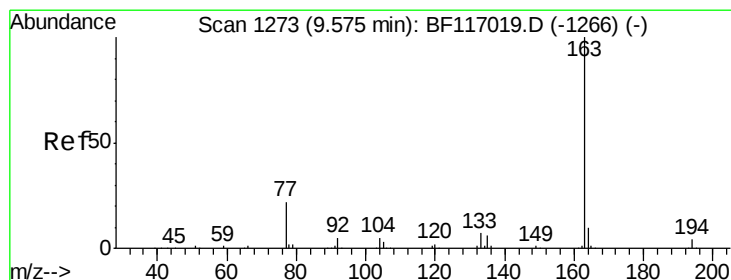
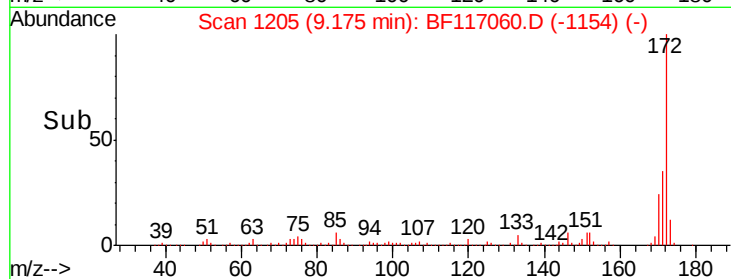
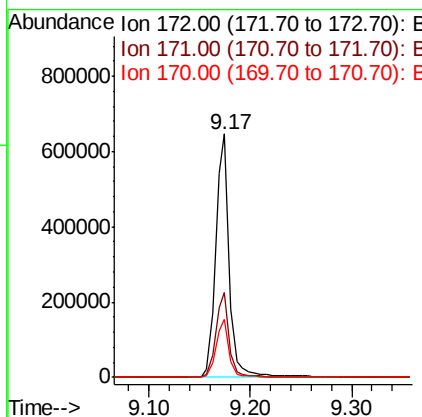
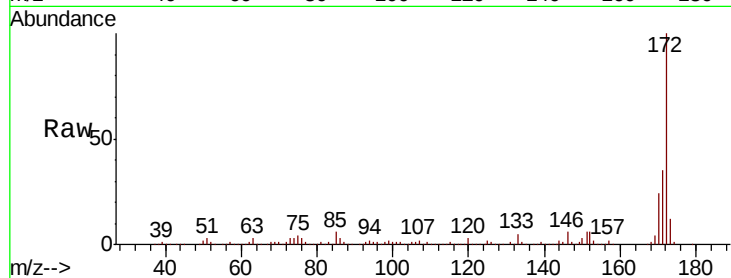




#45  
2-Fluorobiphenyl  
Concen: 80.454 ng  
RT: 9.17 min Scan# 1205  
Delta R.T. 0.00 min  
Lab File: BF117060.D  
Acq: 16 Sep 2019 13:58

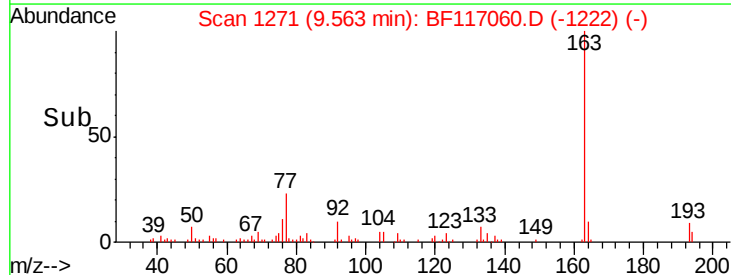
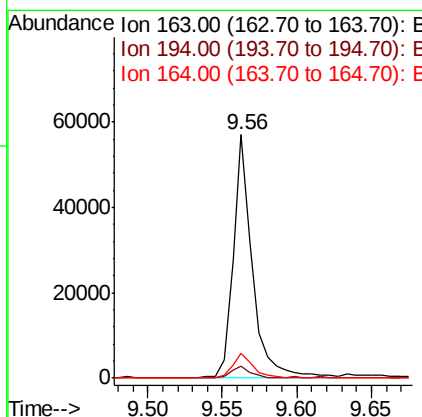
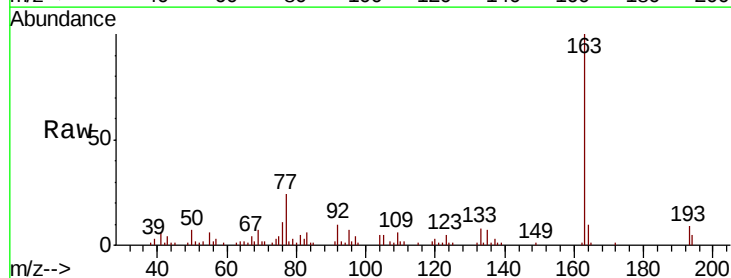
Instrument :  
BNA\_F  
ClientSampled :

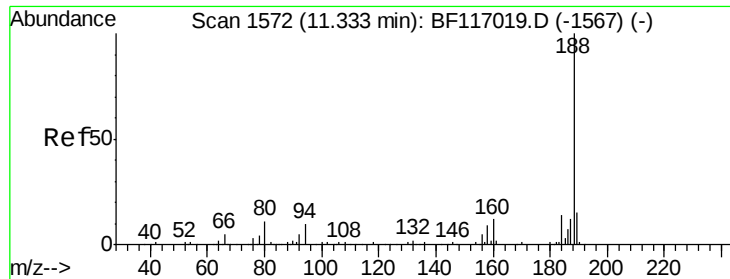
Tot Ion:172 Resp: 606918  
Ion Ratio Lower Upper  
172 100  
171 34.9 28.2 42.2  
170 23.7 18.9 28.3



#50  
Dimethylphthalate  
Concen: 6.223 ng  
RT: 9.56 min Scan# 1271  
Delta R.T. -0.01 min  
Lab File: BF117060.D  
Acq: 16 Sep 2019 13:58

Tgt Ion:163 Resp: 51974  
Ion Ratio Lower Upper  
163 100  
194 4.7 2.9 4.3#  
164 10.1 8.2 12.4

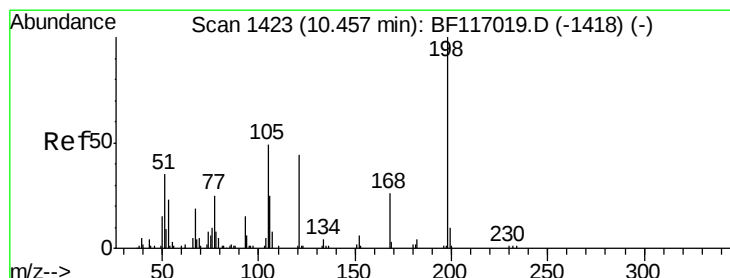
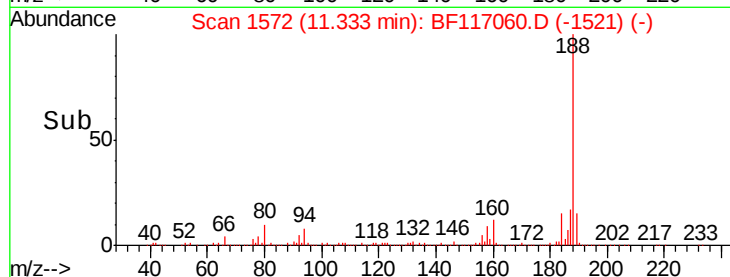
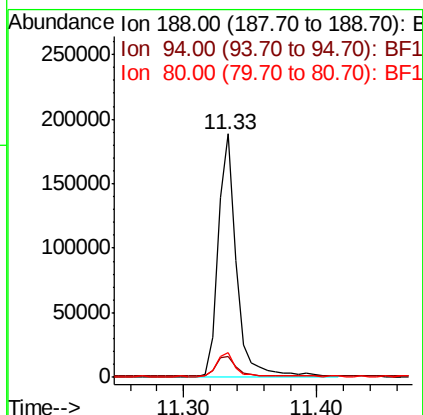
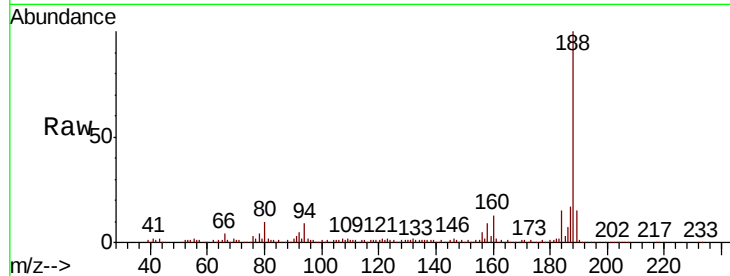




#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.33 min Scan# 1572  
 Delta R.T. 0.00 min  
 Lab File: BF117060.D  
 Acq: 16 Sep 2019 13:58

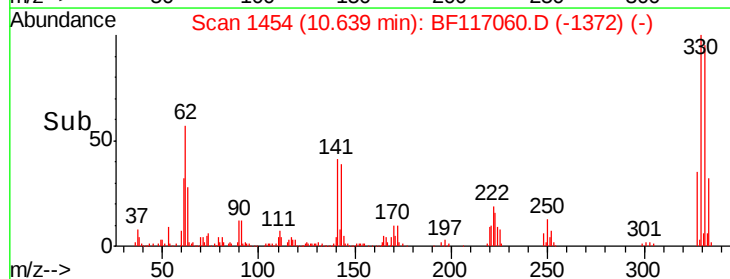
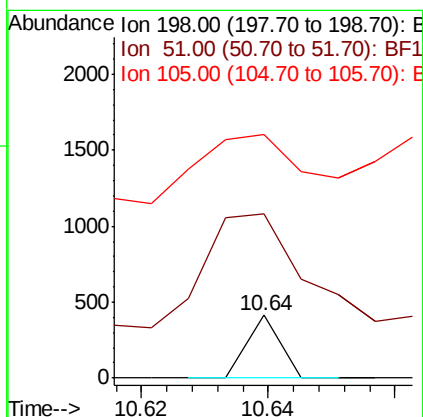
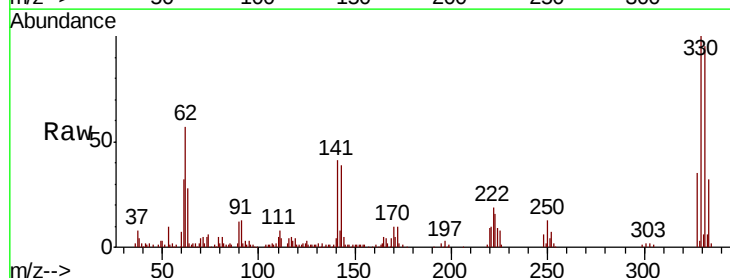
Instrument :  
 BNA\_F  
 ClientSampleId :

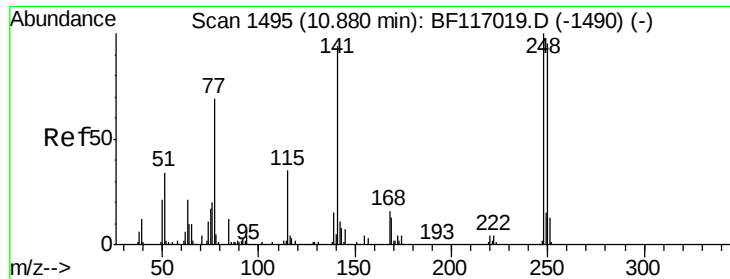
Tot Ion:188 Resp: 185503  
 Ion Ratio Lower Upper  
 188 100  
 94 8.8 8.2 12.2  
 80 10.0 9.0 13.6



#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 7.049 ng  
 RT: 10.64 min Scan# 1454  
 Delta R.T. 0.18 min  
 Lab File: BF117060.D  
 Acq: 16 Sep 2019 13:58

Tgt Ion:198 Resp: 145  
 Ion Ratio Lower Upper  
 198 100  
 51 261.9 18.7 58.7#  
 105 389.1 30.2 70.2#

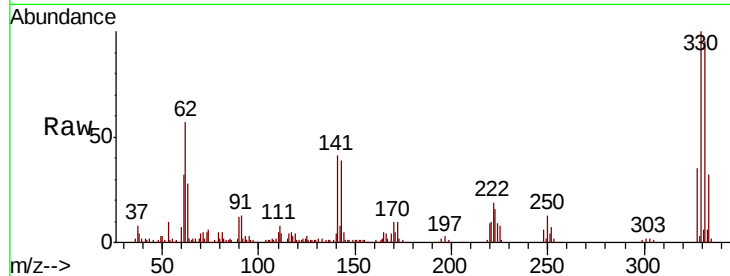




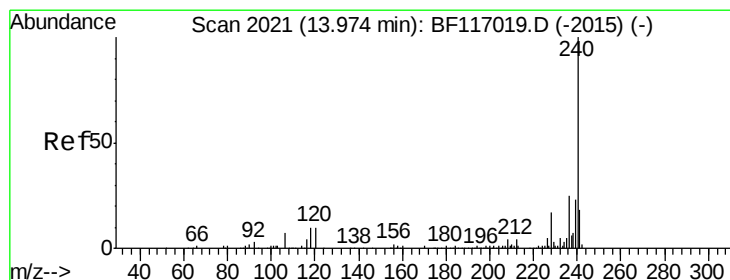
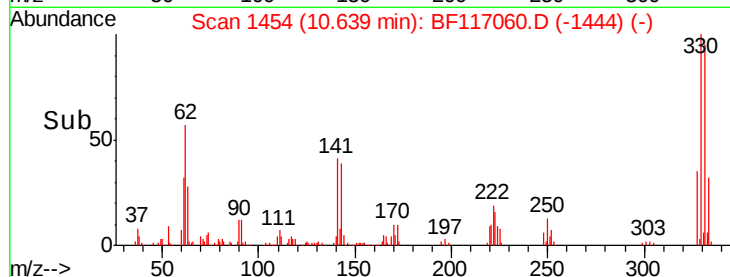
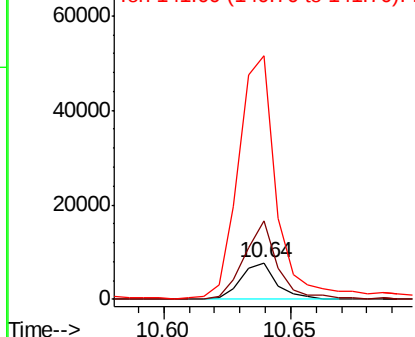
#67  
4-Bromophenyl-phenylether  
Concen: 3.976 ng  
RT: 10.64 min Scan# 1454  
Delta R.T. -0.24 min  
Lab File: BF117060.D  
Acq: 16 Sep 2019 13:58

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:248 Resp: 7532  
Ion Ratio Lower Upper  
248 100  
250 215.2 76.2 114.4#  
141 668.5 75.0 112.4#

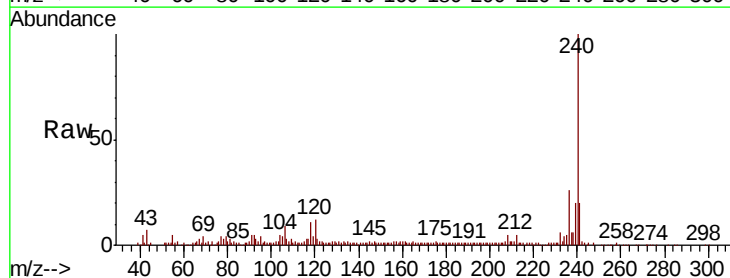


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

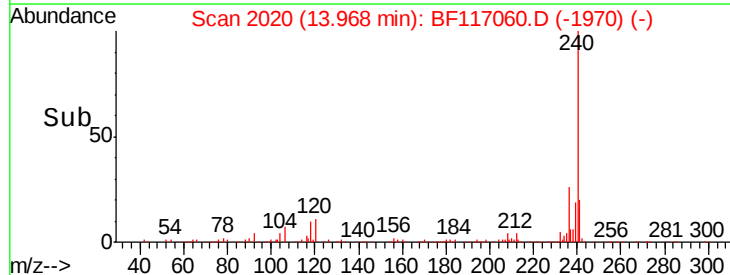
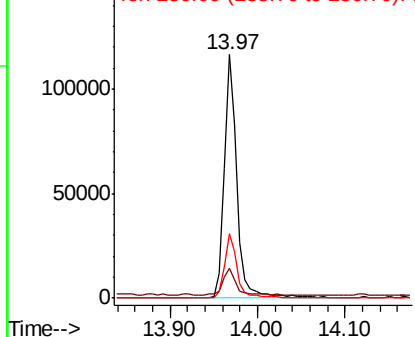


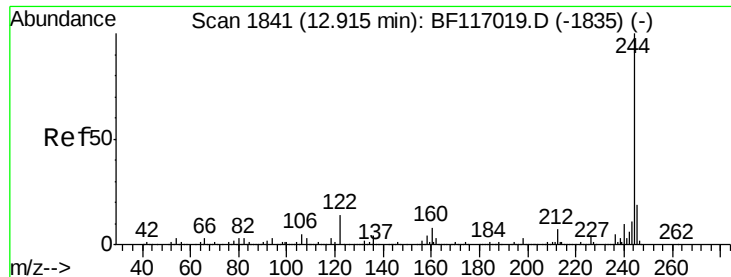
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.97 min Scan# 2020  
Delta R.T. -0.01 min  
Lab File: BF117060.D  
Acq: 16 Sep 2019 13:58

Tgt Ion:240 Resp: 118286  
Ion Ratio Lower Upper  
240 100  
120 12.3 8.3 12.5  
236 26.4 20.3 30.5



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

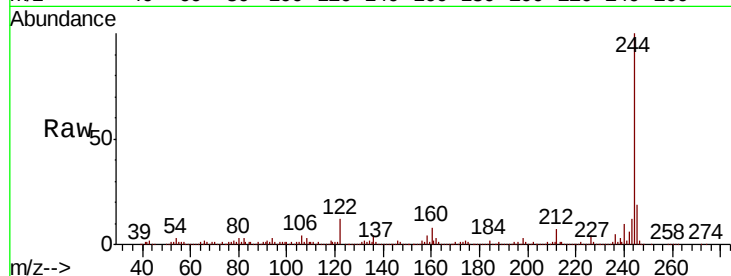




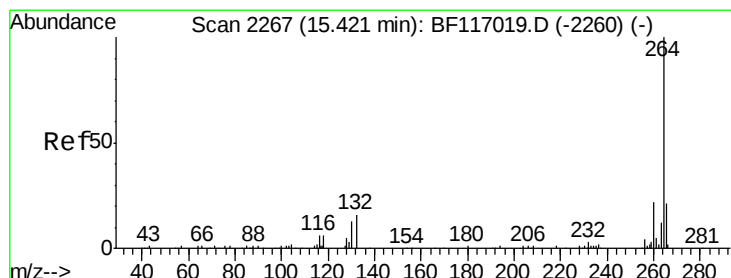
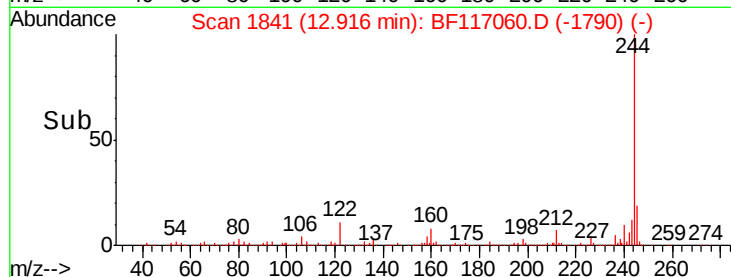
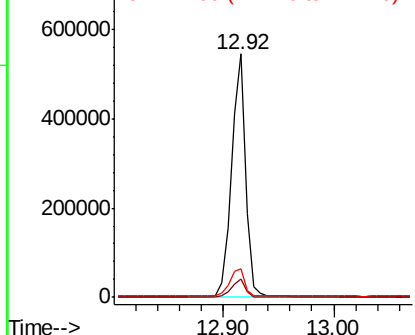
#79  
 Terphenyl-d14  
 Concen: 77.911 ng  
 RT: 12.92 min Scan# 1841  
 Delta R.T. 0.00 min  
 Lab File: BF117060.D  
 Acq: 16 Sep 2019 13:58

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:244 Resp: 493029  
 Ion Ratio Lower Upper  
 244 100  
 212 7.3 5.8 8.8  
 122 12.0 11.3 16.9

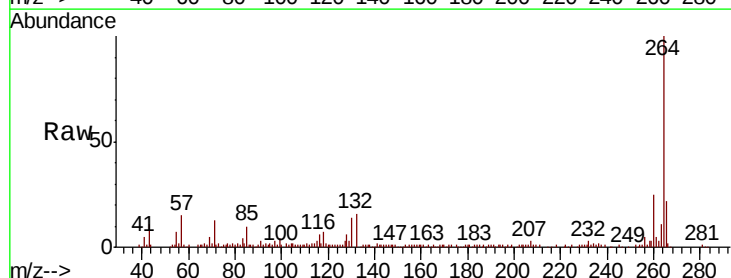


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.42 min Scan# 2267  
 Delta R.T. 0.00 min  
 Lab File: BF117060.D  
 Acq: 16 Sep 2019 13:58

Tgt Ion:264 Resp: 119786  
 Ion Ratio Lower Upper  
 264 100  
 260 25.2 17.6 26.4  
 265 21.8 16.6 24.8



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

