

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092019\  
 Data File : BF117202.D  
 Acq On : 20 Sep 2019 22:43  
 Operator : HP/JU  
 Sample : K4973-02  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EFF-WW

Quant Time: Sep 21 01:23:54 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

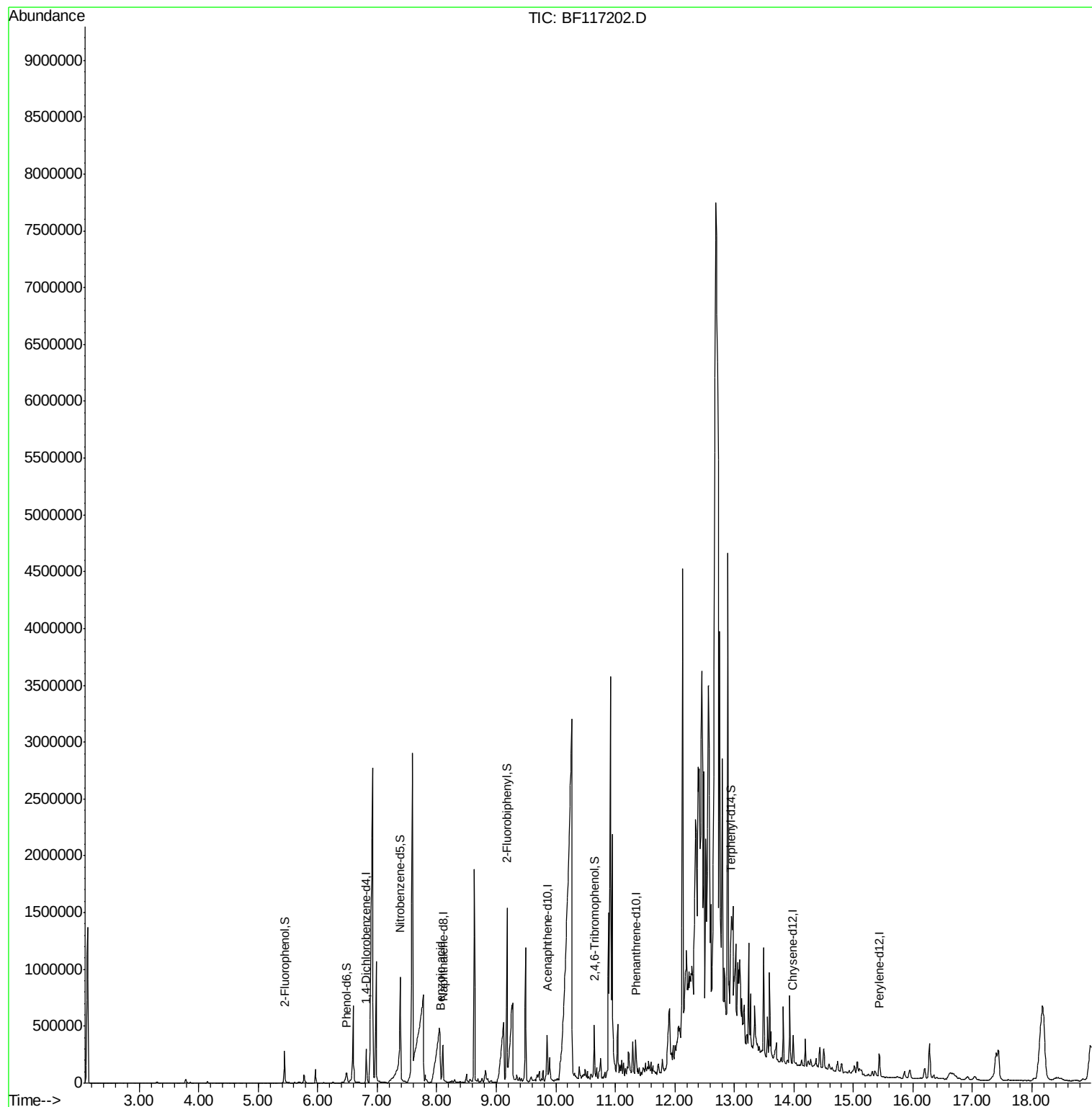
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.82  | 152  | 42454    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.10  | 136  | 160726   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.85  | 164  | 76418    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.34 | 188  | 96003    | 20.00  | ng    | 0.01     |
| 76) Chrysene-d12            | 13.99 | 240  | 60537    | 20.00  | ng    | 0.02     |
| 87) Perylene-d12            | 15.43 | 264  | 60164    | 20.00  | ng    | 0.01     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.44  | 112  | 85806    | 31.56  | ng    | 0.00     |
| 7) Phenol-d6                | 6.49  | 99   | 71771    | 20.42  | ng    | 0.03     |
| 23) Nitrobenzene-d5         | 7.39  | 82   | 275104   | 89.93  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.65 | 330  | 47633    | 74.58  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.18  | 172  | 481334   | 98.48  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.95 | 244  | 299034   | 92.33  | ng    | 0.04     |
| Target Compounds            |       |      |          |        |       |          |
| 32) Benzoic acid            | 8.06  | 122  | 21752m   | 18.671 | ng    | Qvalue   |

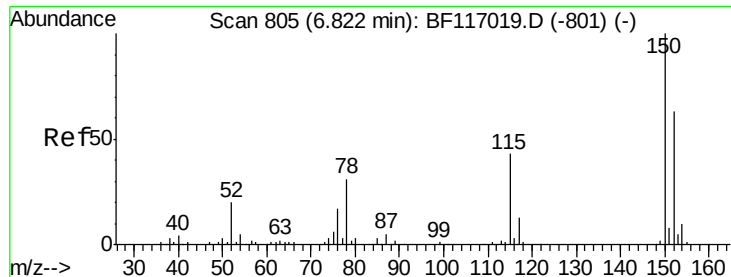
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 804

Delta R.T. -0.01 min

Lab File: BF117202.D

Acq: 20 Sep 2019 22:43

Instrument :

BNA\_F

ClientSampled :

EFF-WW

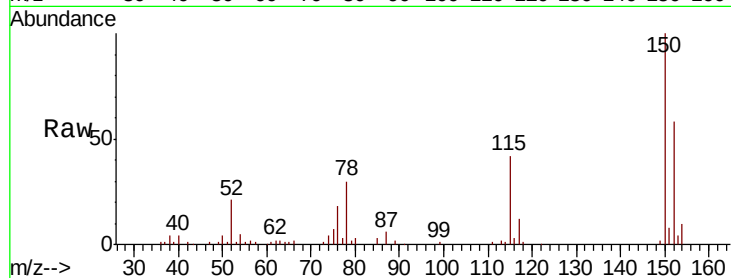
Tot Ion:152 Resp: 42454

Ion Ratio Lower Upper

152 100

150 173.9 127.5 191.3

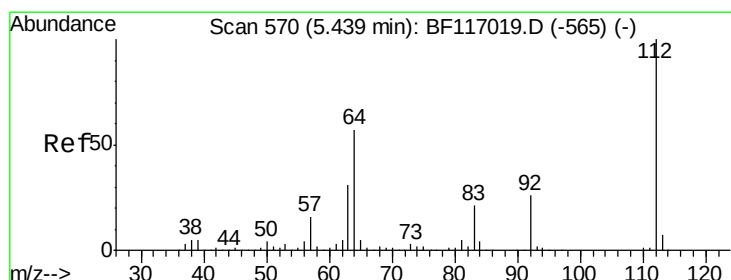
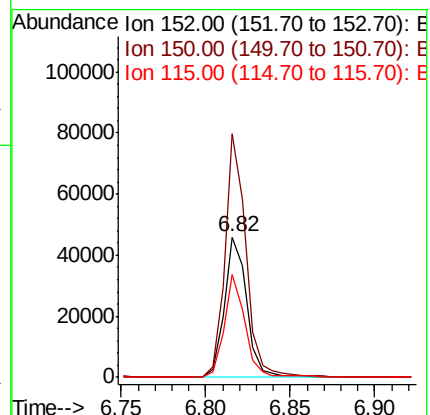
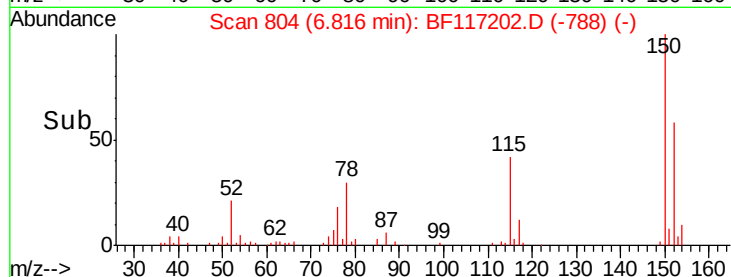
115 73.2 55.0 82.4



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: 31.555 ng

RT: 5.44 min Scan# 570

Delta R.T. -0.00 min

Lab File: BF117202.D

Acq: 20 Sep 2019 22:43

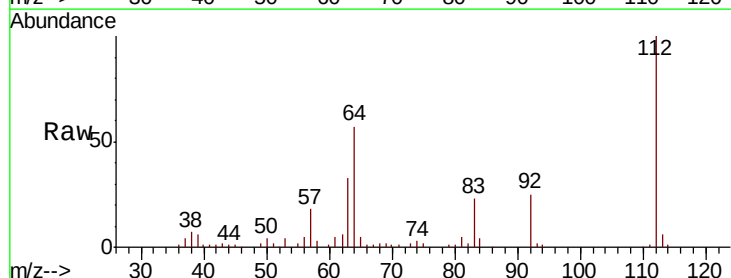
Tgt Ion:112 Resp: 85806

Ion Ratio Lower Upper

112 100

64 57.2 45.7 68.5

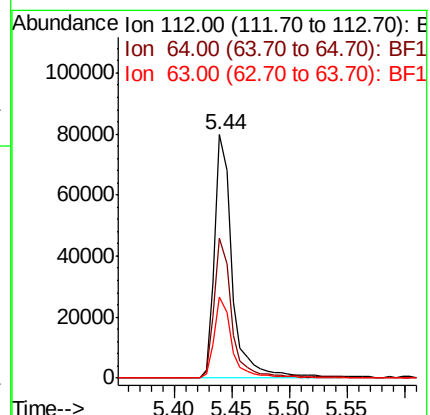
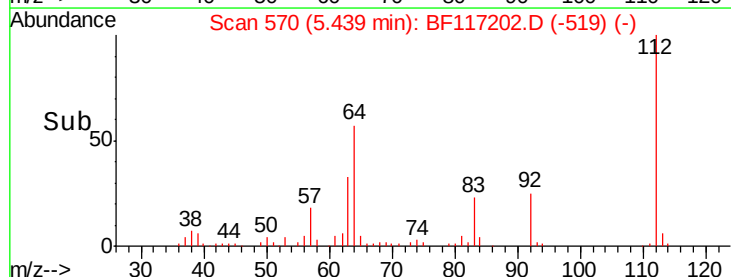
63 33.1 24.9 37.3

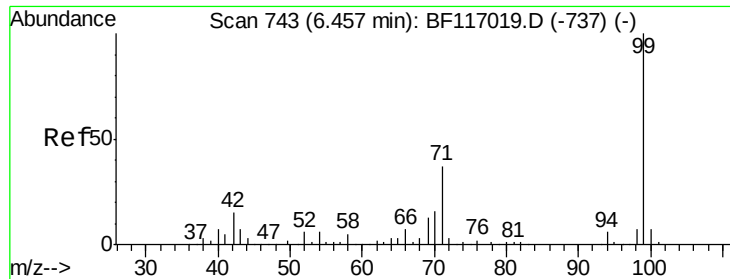


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 20.423 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.03 min

Lab File: BF117202.D

Acq: 20 Sep 2019 22:43

Instrument :

BNA\_F

ClientSampled :

EFF-WW

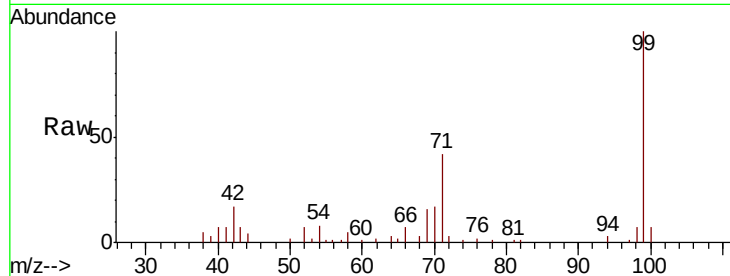
Tot Ion: 99 Resp: 71771

Ion Ratio Lower Upper

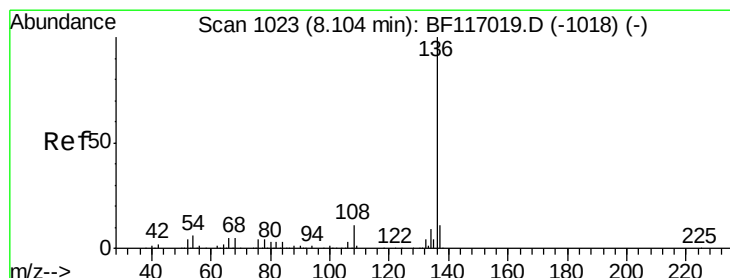
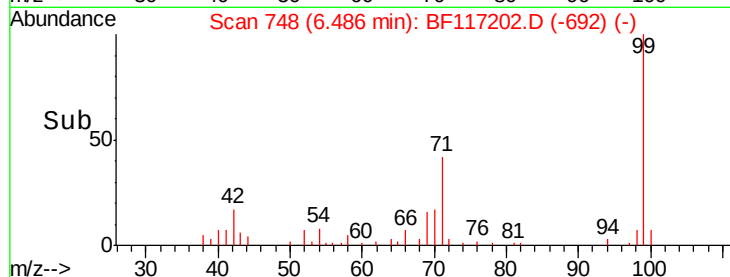
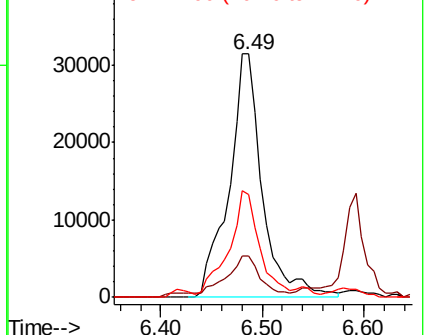
99 100

42 17.2 12.2 18.2

71 42.3 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.00 min

Lab File: BF117202.D

Acq: 20 Sep 2019 22:43

Tgt Ion: 136 Resp: 160726

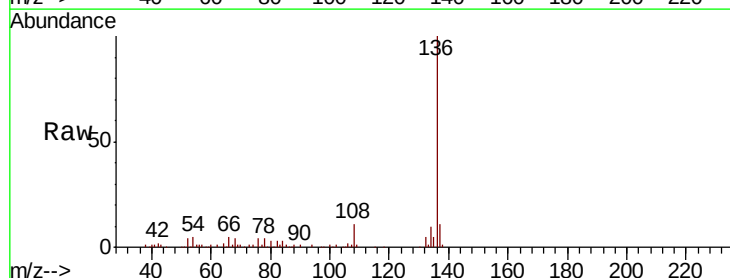
Ion Ratio Lower Upper

136 100

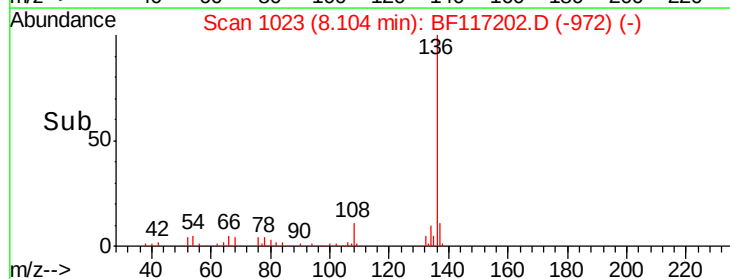
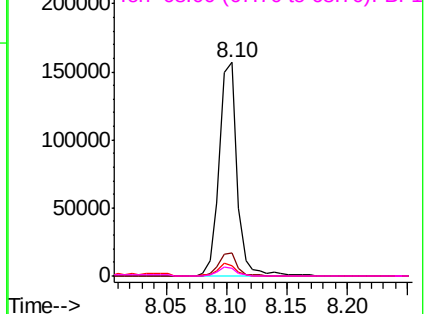
137 10.9 9.0 13.4

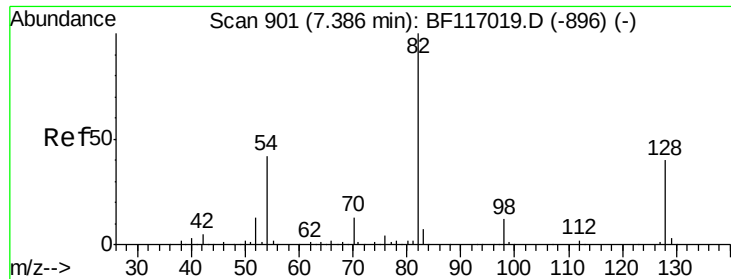
54 5.0 4.5 6.7

68 3.8 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

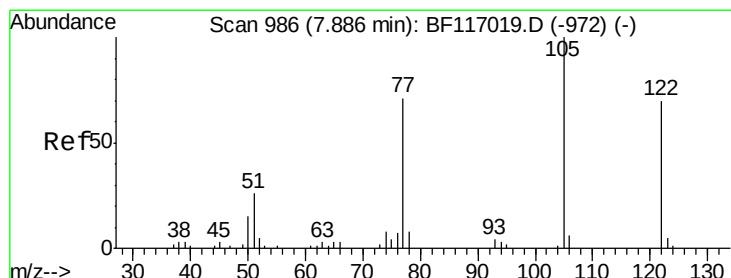
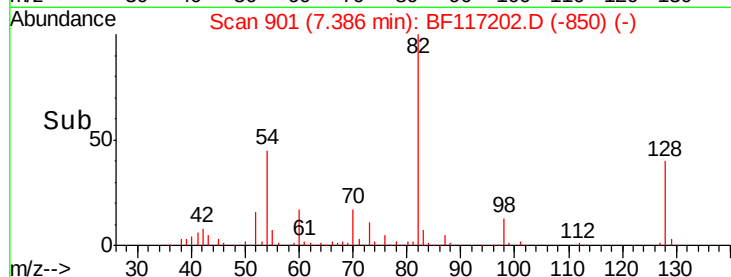
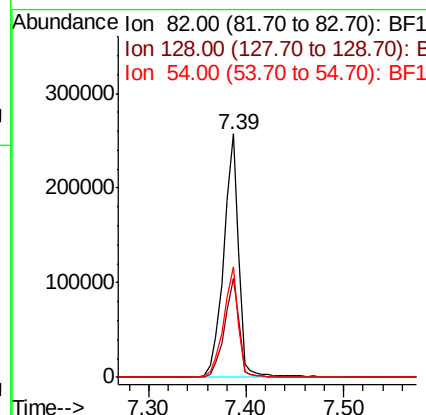
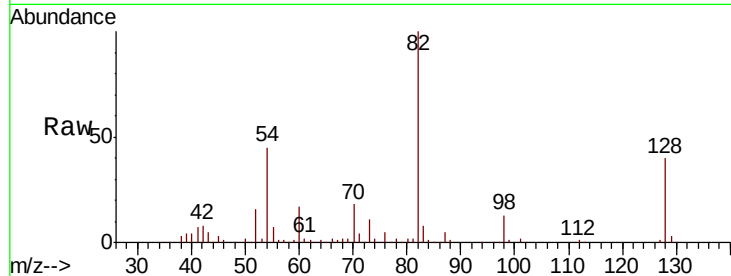




#23  
 Nitrobenzene-d5  
 Concen: 89.933 ng  
 RT: 7.39 min Scan# 901  
 Delta R.T. -0.00 min  
 Lab File: BF117202.D  
 Acq: 20 Sep 2019 22:43

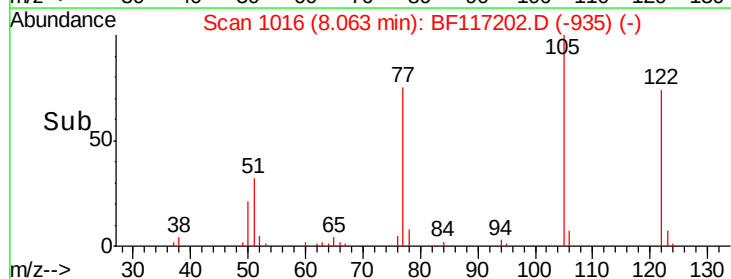
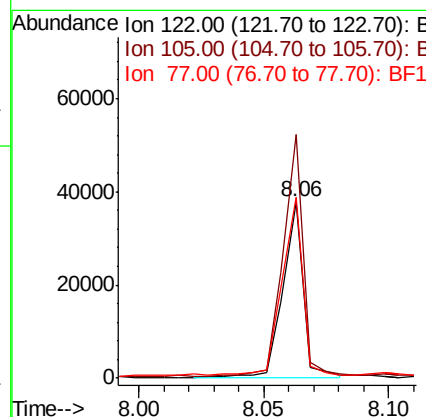
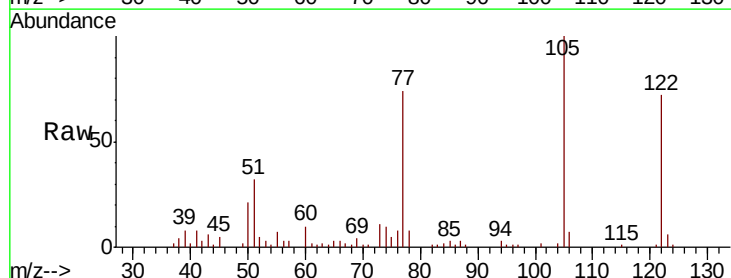
Instrument :  
 BNA\_F  
 ClientSampleId :  
 EFF-WW

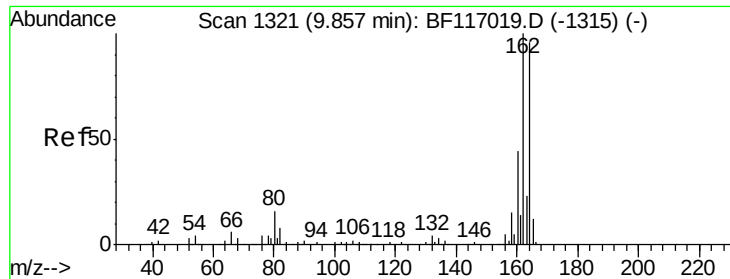
| Tot Ion   | 82   | Resp  | 275104 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 40.5 | 32.3  | 48.5   |
| 54        | 45.4 | 33.3  | 49.9   |



#32  
 Benzoic acid  
 Concen: 18.671 ng m  
 RT: 8.06 min Scan# 1016  
 Delta R.T. 0.18 min  
 Lab File: BF117202.D  
 Acq: 20 Sep 2019 22:43

| Tgt Ion   | 122   | Resp  | 21752 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 105       | 138.1 | 114.8 | 154.8 |
| 77        | 102.3 | 78.7  | 118.7 |

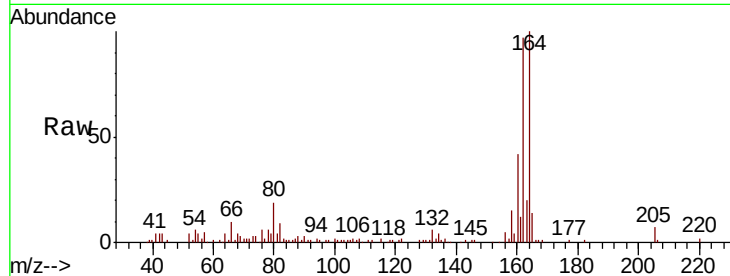




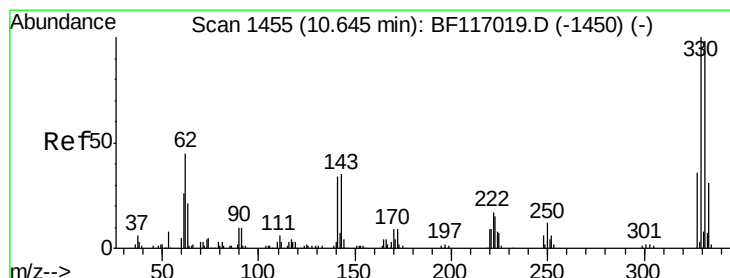
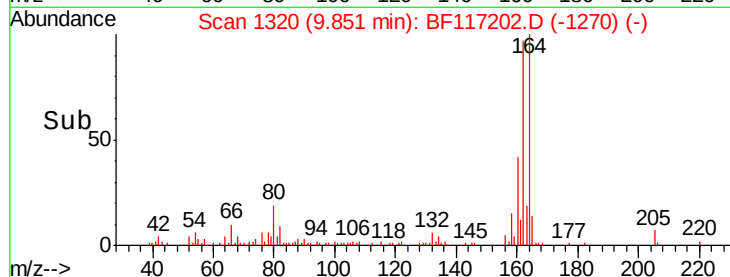
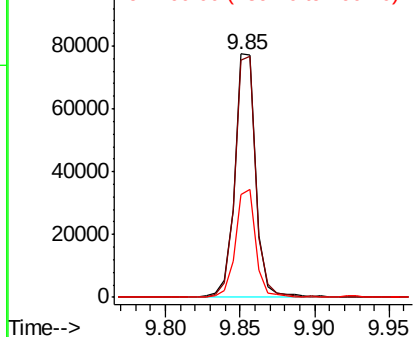
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.85 min Scan# 1320  
Delta R.T. -0.01 min  
Lab File: BF117202.D  
Acq: 20 Sep 2019 22:43

Instrument :  
BNA\_F  
ClientSampleId :  
EFF-WW

Tot Ion:164 Resp: 76418  
Ion Ratio Lower Upper  
164 100  
162 97.3 83.4 125.2  
160 42.4 36.4 54.6

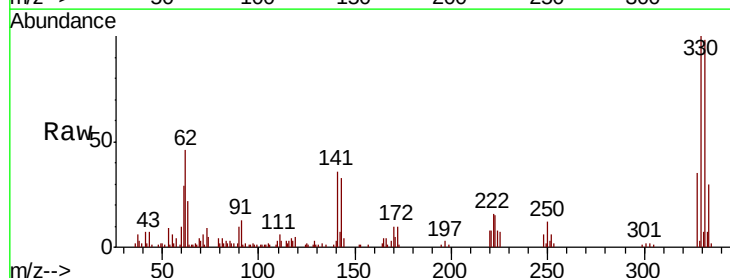


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

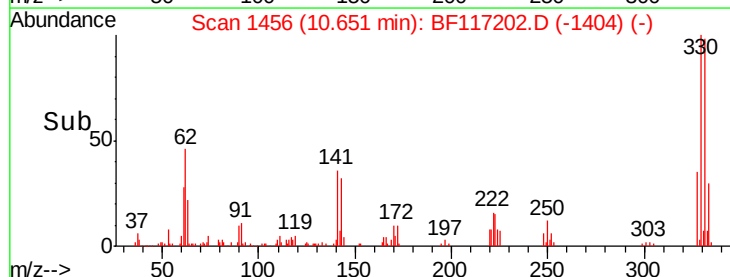
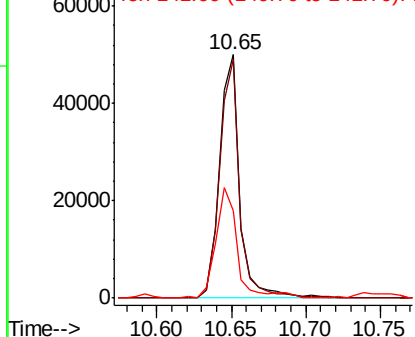


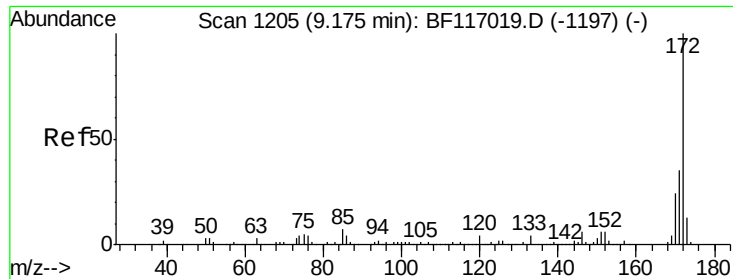
#42  
2,4,6-Tribromophenol  
Concen: 74.580 ng  
RT: 10.65 min Scan# 1456  
Delta R.T. 0.01 min  
Lab File: BF117202.D  
Acq: 20 Sep 2019 22:43

Tgt Ion:330 Resp: 47633  
Ion Ratio Lower Upper  
330 100  
332 96.7 78.0 117.0  
141 47.7 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

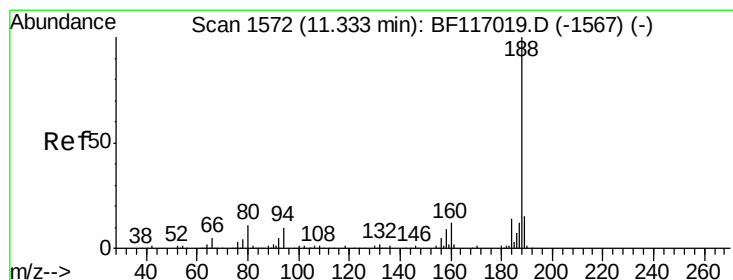
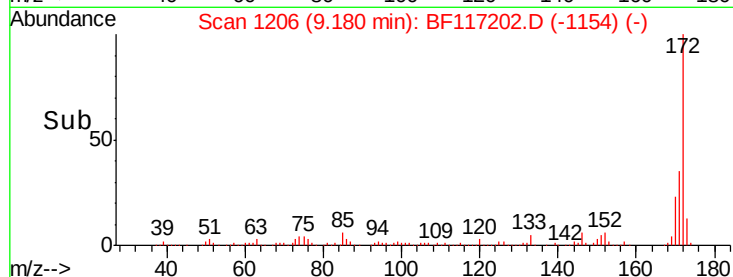
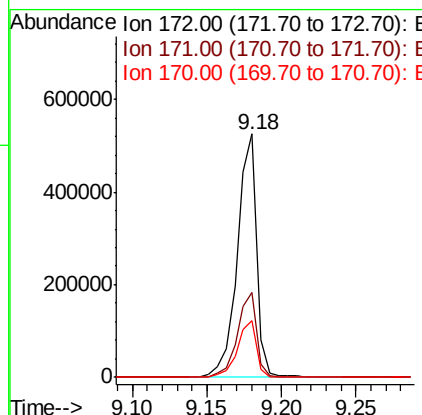
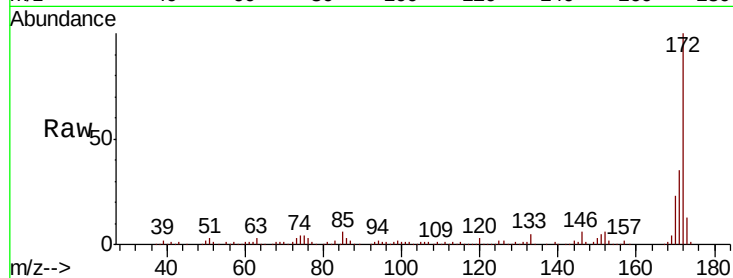




#45  
 2-Fluorobiphenyl  
 Concen: 98.485 ng  
 RT: 9.18 min Scan# 1206  
 Delta R.T. 0.01 min  
 Lab File: BF117202.D  
 Acq: 20 Sep 2019 22:43

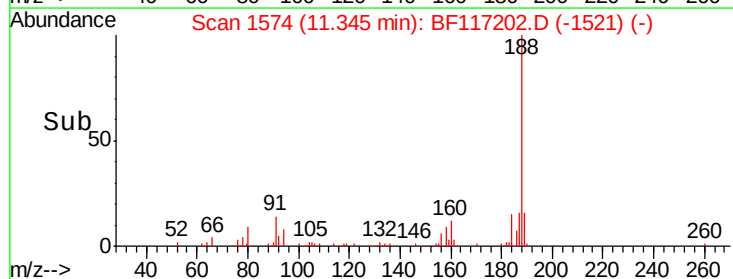
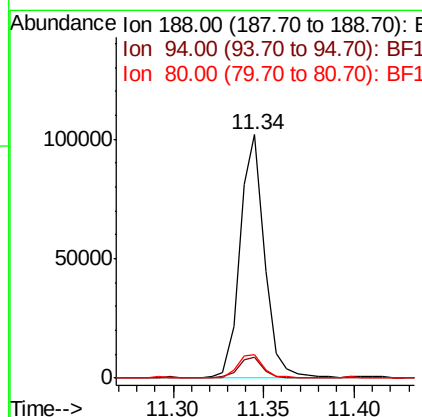
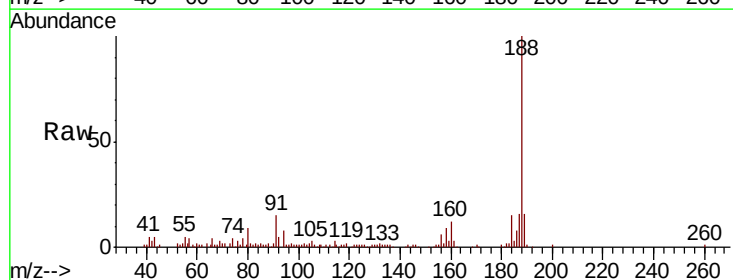
Instrument :  
 BNA\_F  
 ClientSampleId :  
 EFF-WW

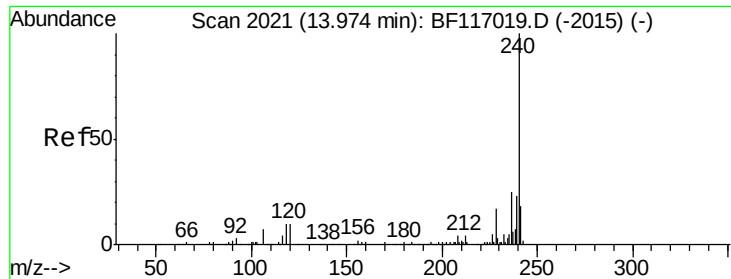
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.9  | 28.2  | 42.2  |
| 170     | 23.1  | 18.9  | 28.3  |



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.34 min Scan# 1574  
 Delta R.T. 0.01 min  
 Lab File: BF117202.D  
 Acq: 20 Sep 2019 22:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.5   | 8.2   | 12.2  |
| 80      | 9.4   | 9.0   | 13.6  |

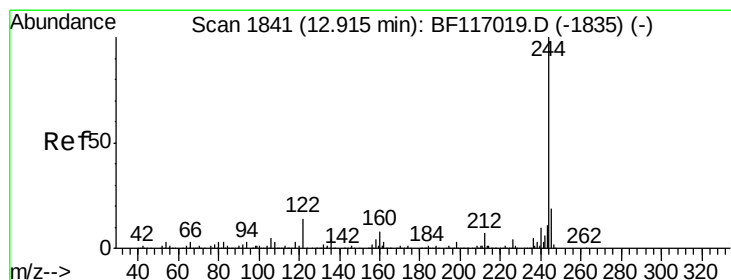
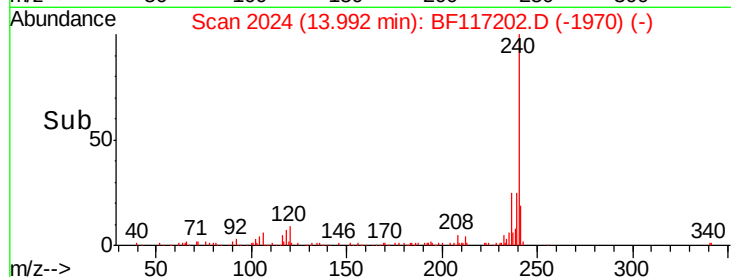
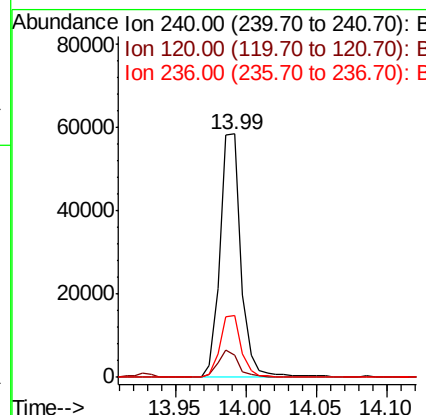
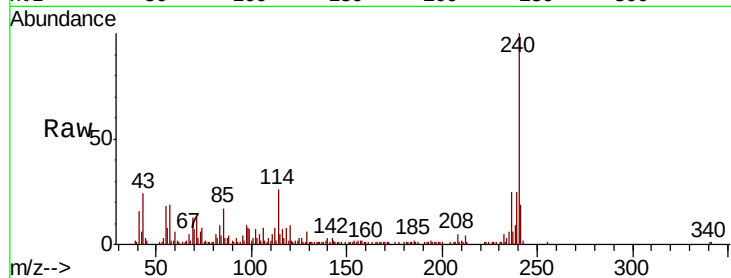




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.99 min Scan# 2024  
Delta R.T. 0.02 min  
Lab File: BF117202.D  
Acq: 20 Sep 2019 22:43

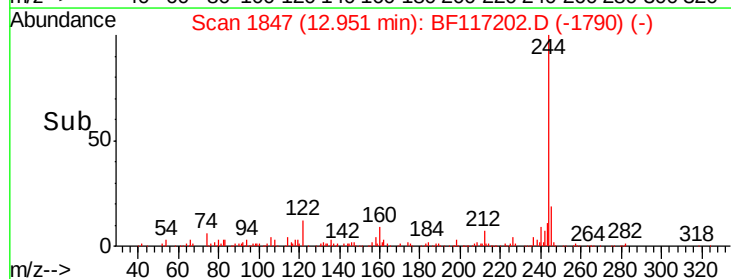
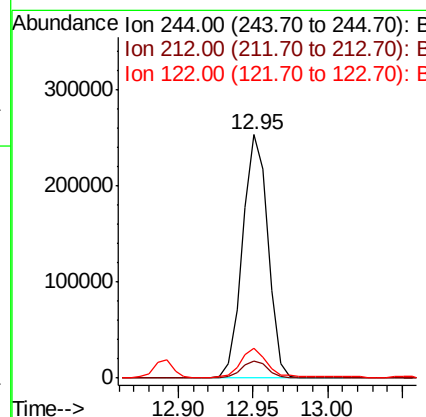
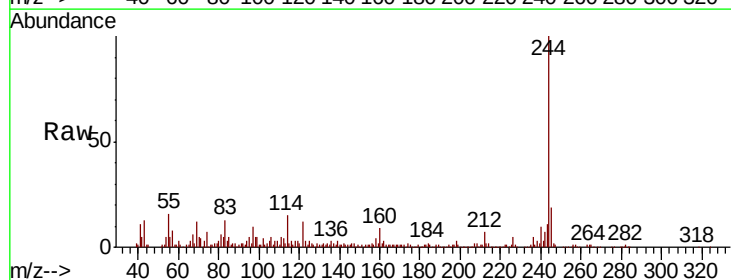
Instrument :  
BNA\_F  
ClientSampleId :  
EFF-WW

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 9.2   | 8.3   | 12.5  |
| 236     | 25.4  | 20.3  | 30.5  |

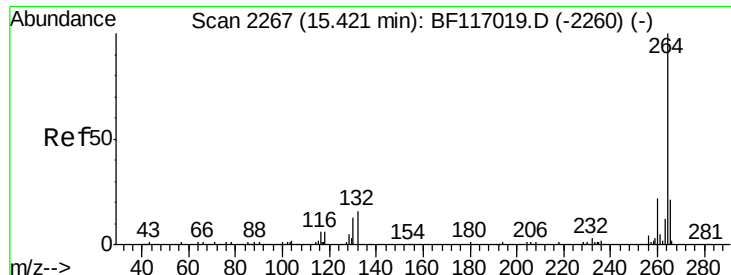


#79  
Terphenyl-d14  
Concen: 92.334 ng  
RT: 12.95 min Scan# 1847  
Delta R.T. 0.04 min  
Lab File: BF117202.D  
Acq: 20 Sep 2019 22:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.3   | 5.8   | 8.8   |
| 122     | 12.2  | 11.3  | 16.9  |



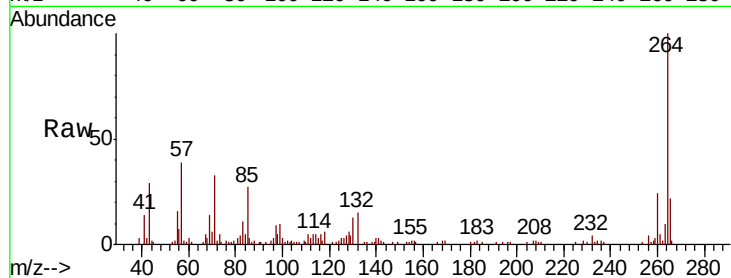




#87  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.43 min Scan# 2269  
 Delta R.T. 0.01 min  
 Lab File: BF117202.D  
 Acq: 20 Sep 2019 22:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EFF-WW

Tot Ion: 264 Resp: 60164  
 Ion Ratio Lower Upper  
 264 100  
 260 24.3 17.6 26.4  
 265 22.4 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

