

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091319\  
 Data File : BF117034.D  
 Acq On : 13 Sep 2019 20:39  
 Operator : HP/JU  
 Sample : K4848-01  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CBH-139-A

Quant Time: Sep 14 01:08:55 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

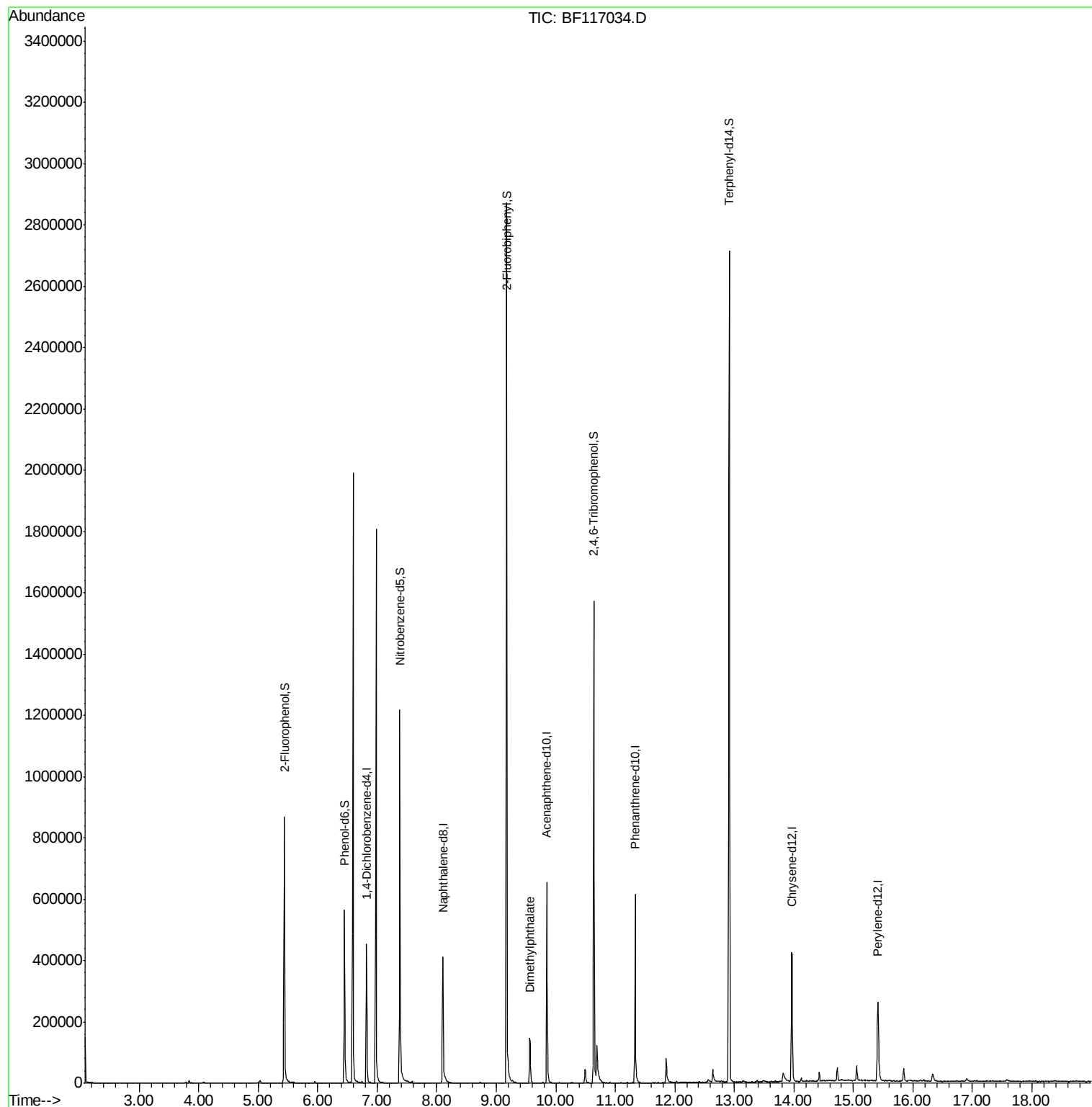
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.82  | 152  | 66471    | 20.00  | ng    | 0.00         |
| 21) Naphthalene-d8          | 8.10  | 136  | 263607   | 20.00  | ng    | 0.00         |
| 39) Acenaphthene-d10        | 9.85  | 164  | 136631   | 20.00  | ng    | 0.00         |
| 64) Phenanthrene-d10        | 11.33 | 188  | 229976   | 20.00  | ng    | 0.00         |
| 76) Chrysene-d12            | 13.96 | 240  | 170337   | 20.00  | ng    | -0.01        |
| 87) Perylene-d12            | 15.41 | 264  | 142249   | 20.00  | ng    | -0.01        |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.44  | 112  | 256906   | 60.34  | ng    | 0.00         |
| 7) Phenol-d6                | 6.45  | 99   | 226073   | 41.09  | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 7.38  | 82   | 490677   | 97.80  | ng    | 0.00         |
| 42) 2,4,6-Tribromophenol    | 10.64 | 330  | 169027   | 148.02 | ng    | 0.00         |
| 45) 2-Fluorobiphenyl        | 9.17  | 172  | 867892   | 99.32  | ng    | 0.00         |
| 79) Terphenyl-d14           | 12.92 | 244  | 850624   | 93.34  | ng    | 0.00         |
| Target Compounds            |       |      |          |        |       |              |
| 50) Dimethylphthalate       | 9.56  | 163  | 74832    | 7.735  | ng    | Qvalue<br>99 |

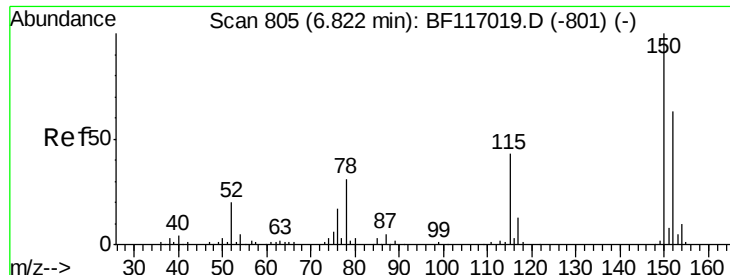
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091319\  
Data File : BF117034.D  
Acq On : 13 Sep 2019 20:39  
Operator : HP/JU  
Sample : K4848-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CBH-139-A

Quant Time: Sep 14 01:08:55 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



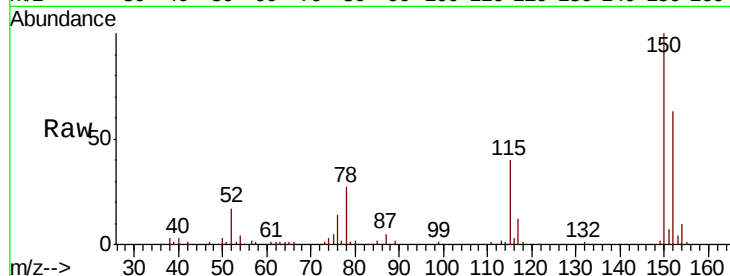


#1

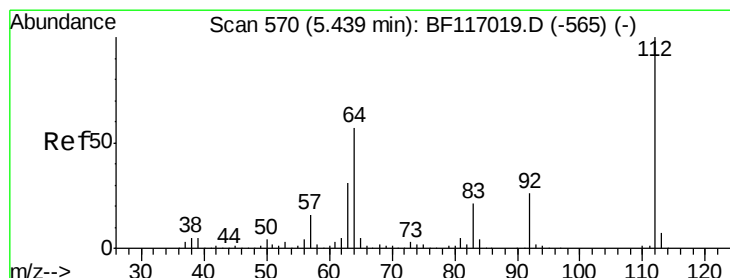
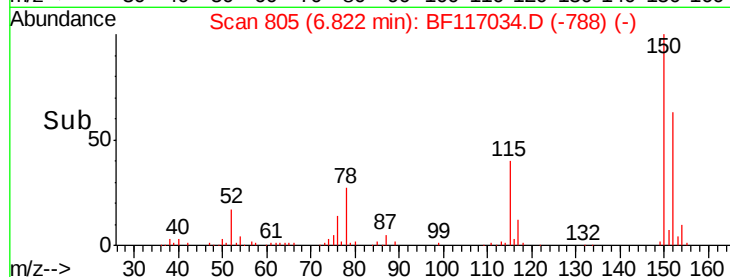
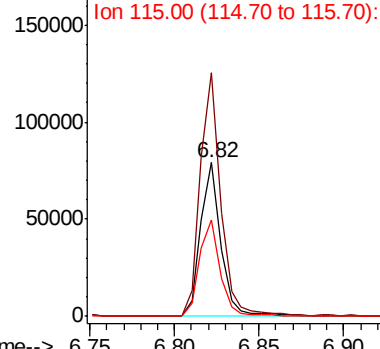
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.82 min Scan# 805  
Delta R.T. 0.00 min  
Lab File: BF117034.D  
Acq: 13 Sep 2019 20:39

Instrument :  
BNA\_F  
ClientSampleId :  
CBH-139-A

Tot Ion:152 Resp: 66471  
Ion Ratio Lower Upper  
152 100  
150 158.4 127.5 191.3  
115 63.0 55.0 82.4



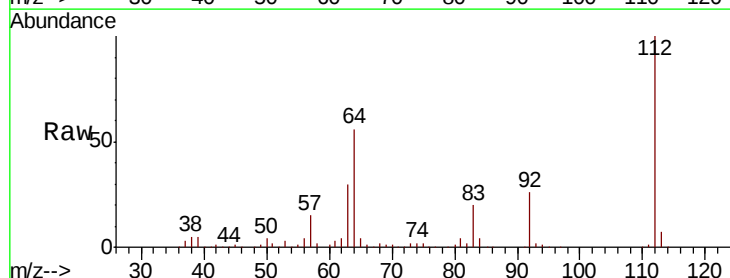
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



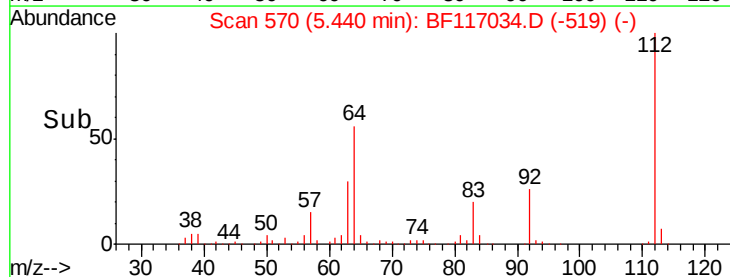
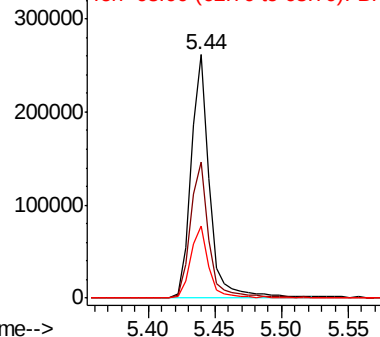
#5

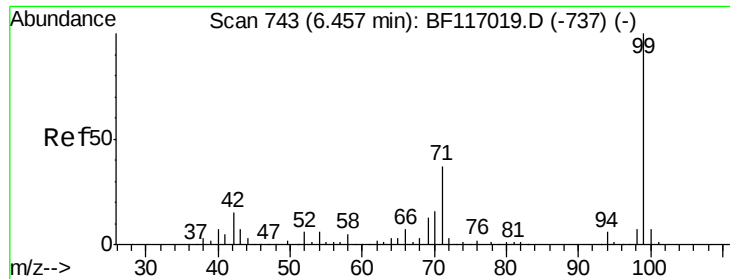
2-Fluorophenol  
Concen: 60.341 ng  
RT: 5.44 min Scan# 570  
Delta R.T. 0.00 min  
Lab File: BF117034.D  
Acq: 13 Sep 2019 20:39

Tgt Ion:112 Resp: 256906  
Ion Ratio Lower Upper  
112 100  
64 56.0 45.7 68.5  
63 29.7 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: 41.087 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF117034.D

Acq: 13 Sep 2019 20:39

Instrument :

BNA\_F

ClientSampleId :

CBH-139-A

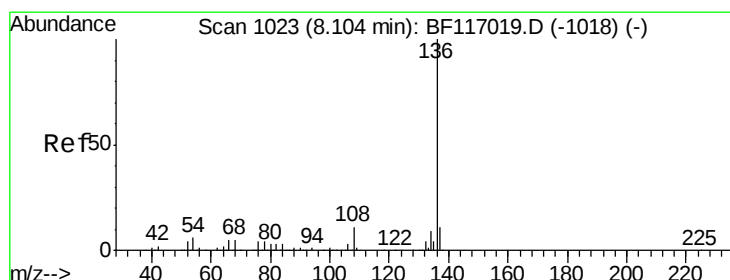
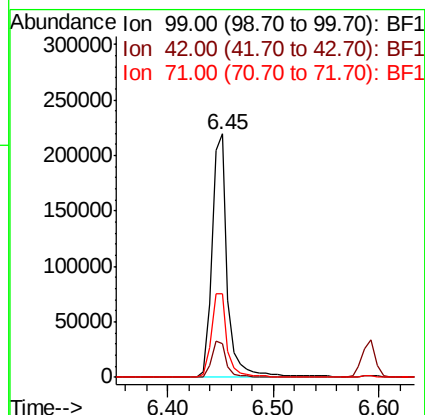
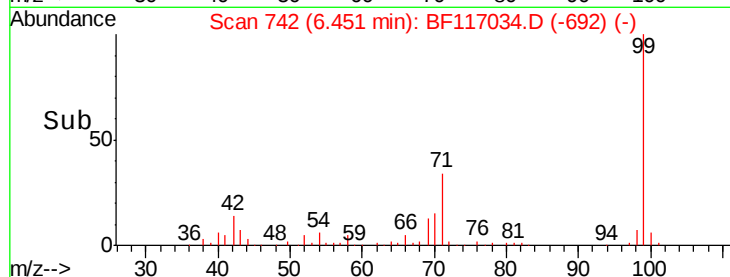
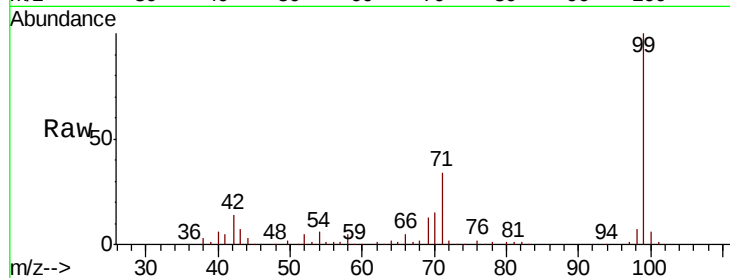
Tot Ion: 99 Resp: 226073

Ion Ratio Lower Upper

99 100

42 13.9 12.2 18.2

71 34.5 29.8 44.8



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1023

Delta R.T. 0.00 min

Lab File: BF117034.D

Acq: 13 Sep 2019 20:39

Tgt Ion: 136 Resp: 263607

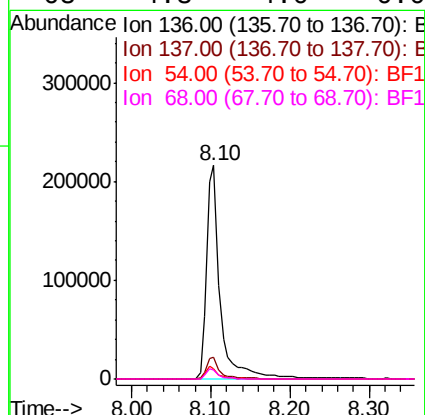
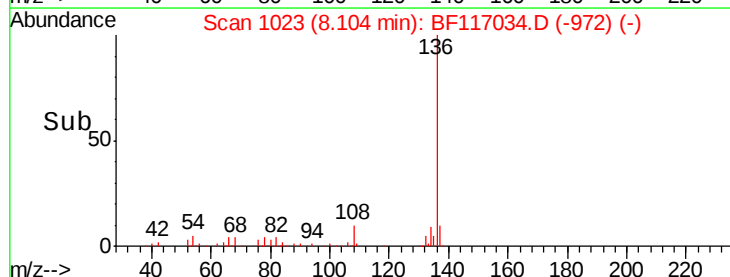
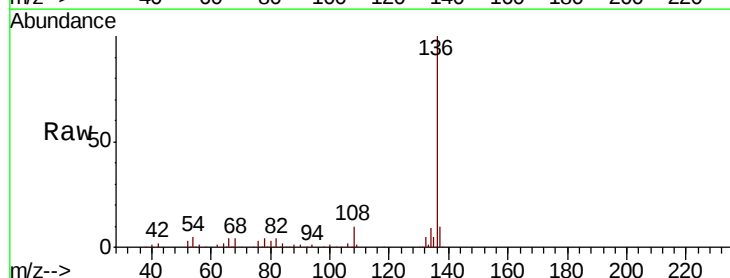
Ion Ratio Lower Upper

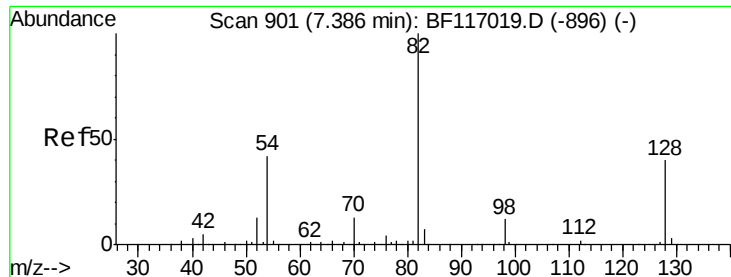
136 100

137 9.9 9.0 13.4

54 5.0 4.5 6.7

68 4.3 4.0 6.0

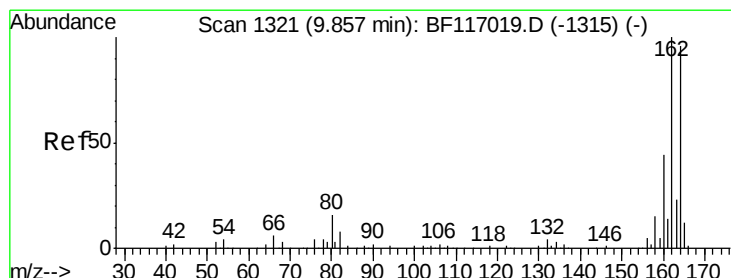
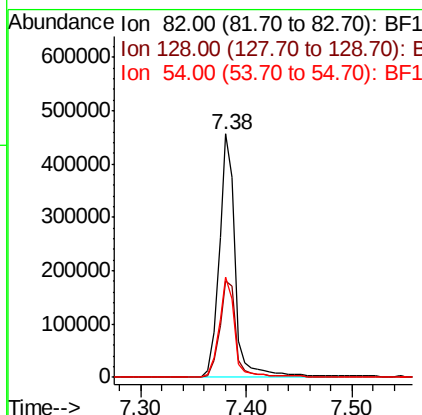
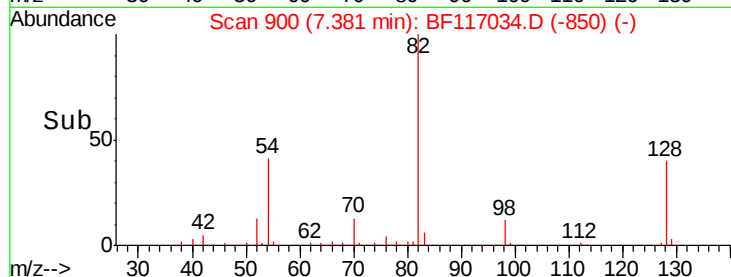
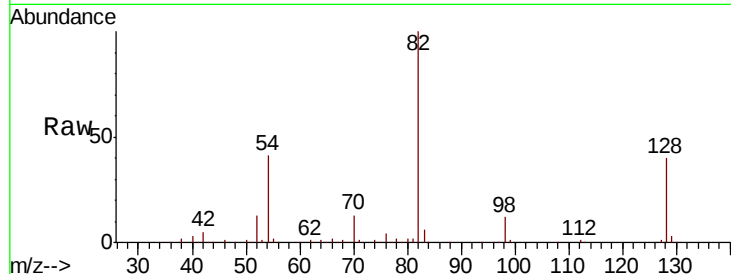




#23  
 Nitrobenzene-d5  
 Concen: 97.802 ng  
 RT: 7.38 min Scan# 900  
 Delta R.T. -0.01 min  
 Lab File: BF117034.D  
 Acq: 13 Sep 2019 20:39

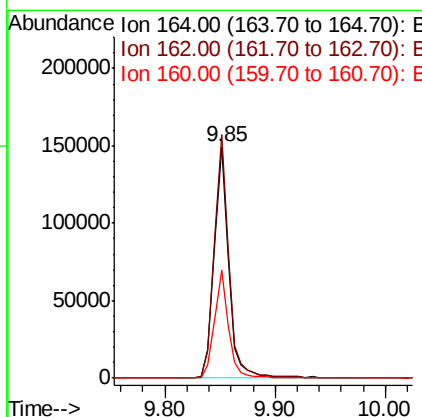
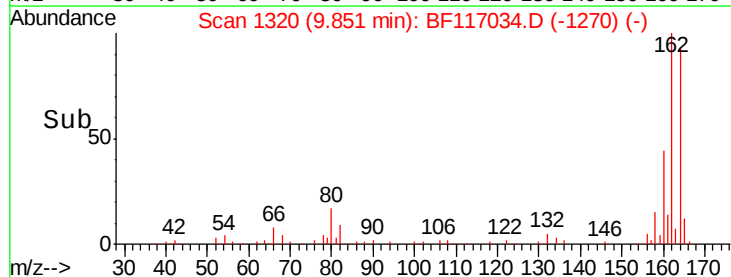
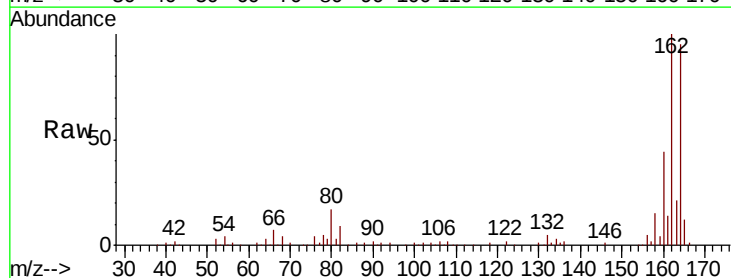
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CBH-139-A

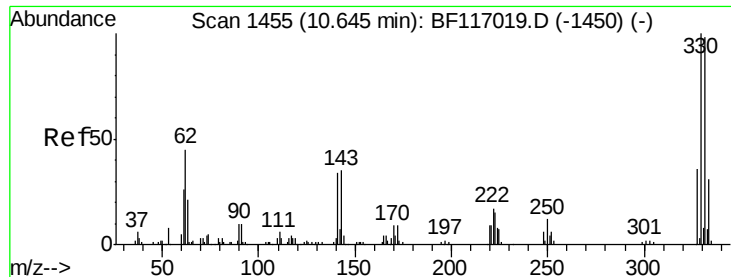
| Tot Ion   | 82   | Resp  | 490677 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 39.7 | 32.3  | 48.5   |
| 54        | 41.1 | 33.3  | 49.9   |



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.85 min Scan# 1320  
 Delta R.T. -0.01 min  
 Lab File: BF117034.D  
 Acq: 13 Sep 2019 20:39

| Tgt Ion                                              | 164   | Resp  | 136631 |
|------------------------------------------------------|-------|-------|--------|
| Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td> | 100   | Lower | Upper  |
| 162                                                  | 105.5 | 83.4  | 125.2  |
| 160                                                  | 46.5  | 36.4  | 54.6   |

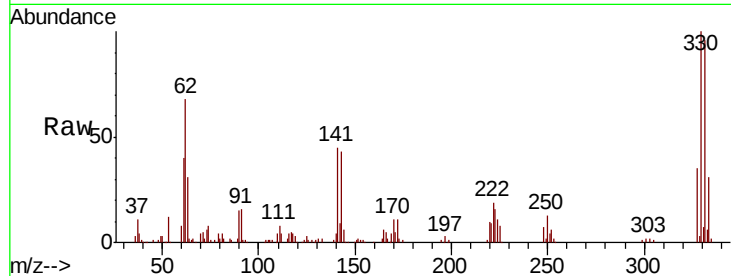




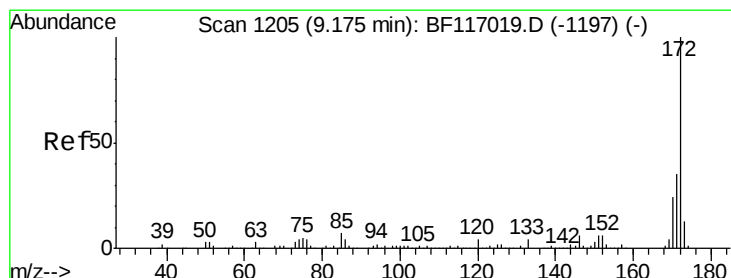
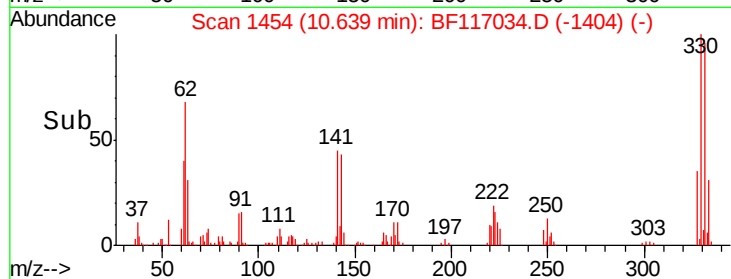
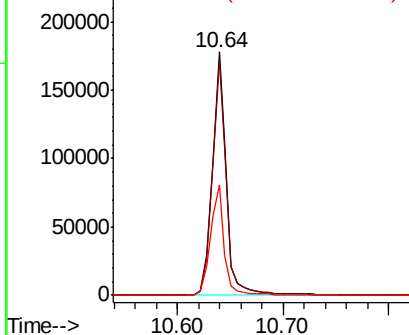
#42  
 2,4,6-Tribromophenol  
 Concen: 148.020 ng  
 RT: 10.64 min Scan# 1454  
 Delta R.T. -0.01 min  
 Lab File: BF117034.D  
 Acq: 13 Sep 2019 20:39

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CBH-139-A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.3  | 78.0  | 117.0 |
| 141     | 44.7  | 35.8  | 53.6  |

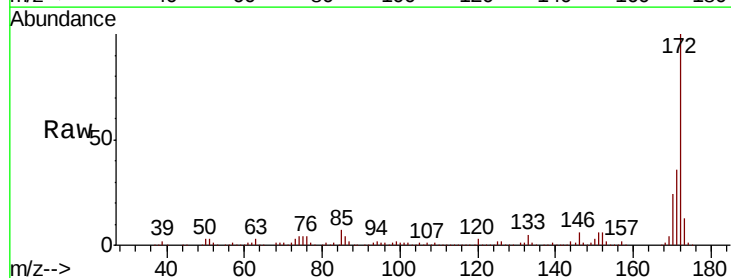


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

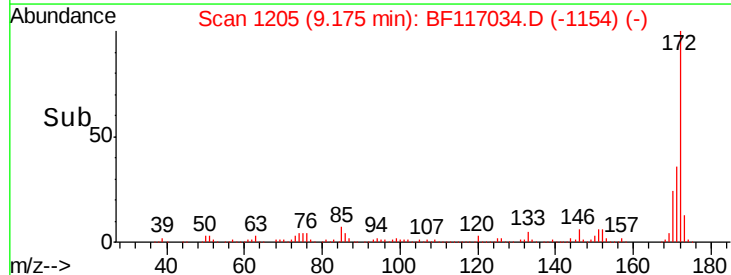
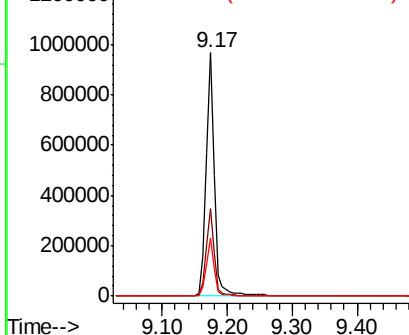


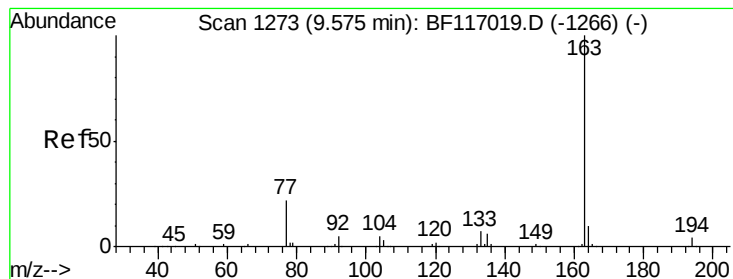
#45  
 2-Fluorobiphenyl  
 Concen: 99.320 ng  
 RT: 9.17 min Scan# 1205  
 Delta R.T. 0.00 min  
 Lab File: BF117034.D  
 Acq: 13 Sep 2019 20:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.8  | 28.2  | 42.2  |
| 170     | 23.7  | 18.9  | 28.3  |



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: 7.735 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.01 min

Lab File: BF117034.D

Acq: 13 Sep 2019 20:39

Instrument :

BNA\_F

ClientSampleId :

CBH-139-A

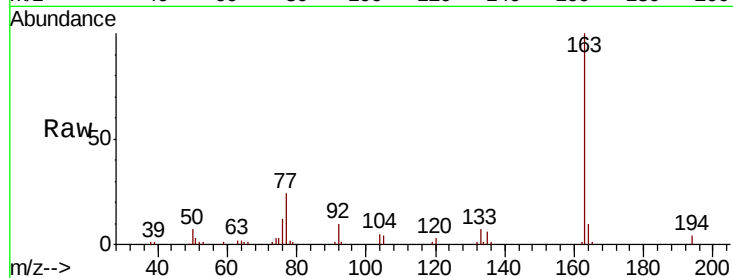
Tot Ion:163 Resp: 74832

Ion Ratio Lower Upper

163 100

194 3.8 2.9 4.3

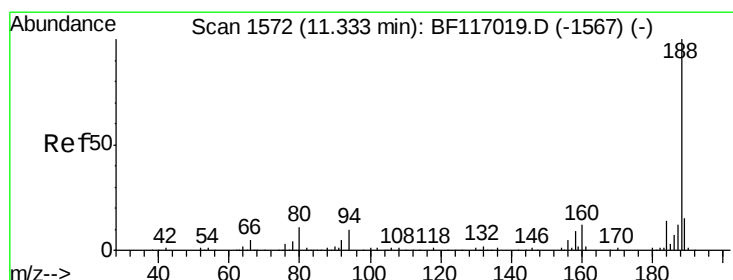
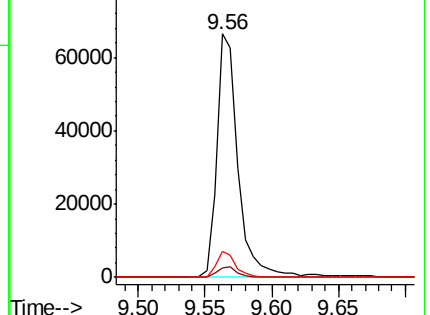
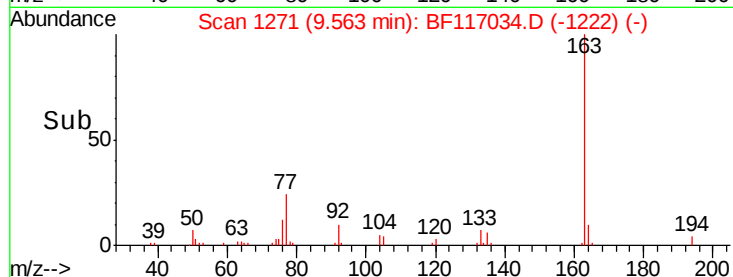
164 10.5 8.2 12.4



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. 0.00 min

Lab File: BF117034.D

Acq: 13 Sep 2019 20:39

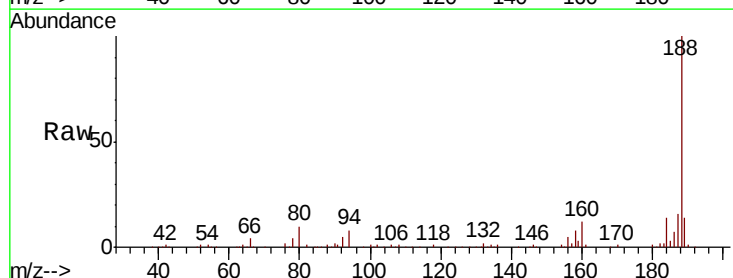
Tgt Ion:188 Resp: 229976

Ion Ratio Lower Upper

188 100

94 8.4 8.2 12.2

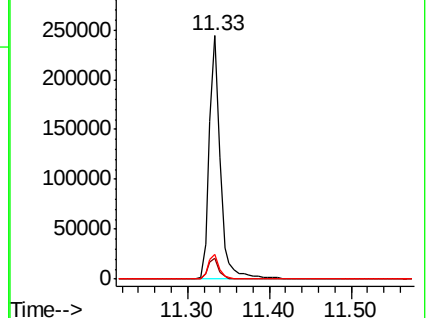
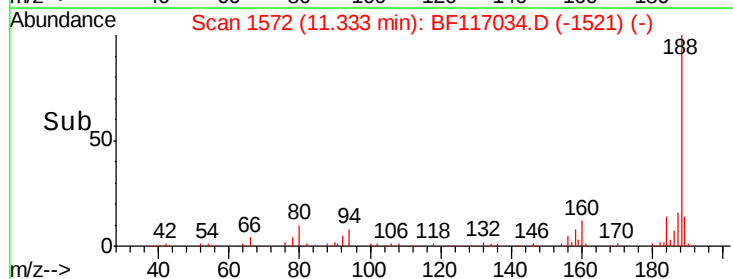
80 10.2 9.0 13.6

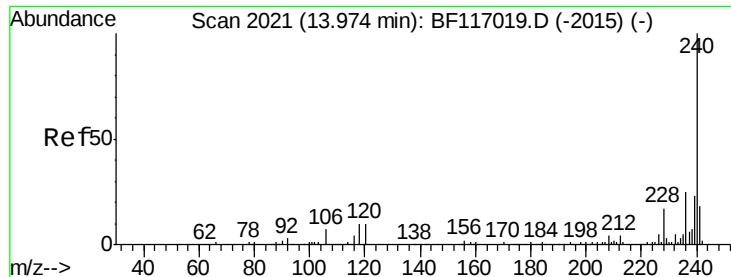


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

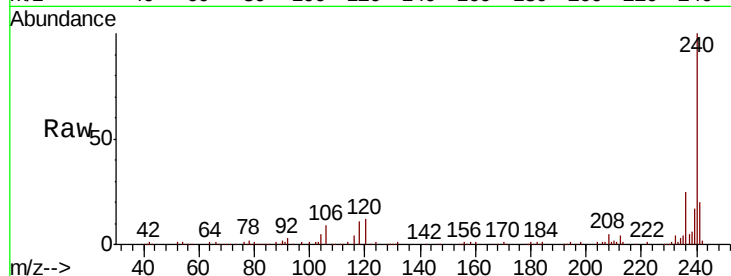




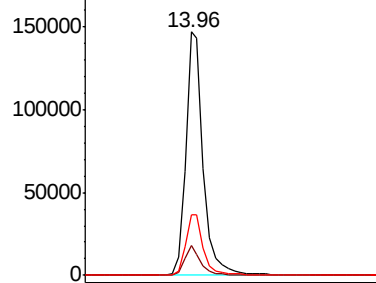
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.96 min Scan# 2019  
Delta R.T. -0.01 min  
Lab File: BF117034.D  
Acq: 13 Sep 2019 20:39

Instrument :  
BNA\_F  
ClientSampleId :  
CBH-139-A

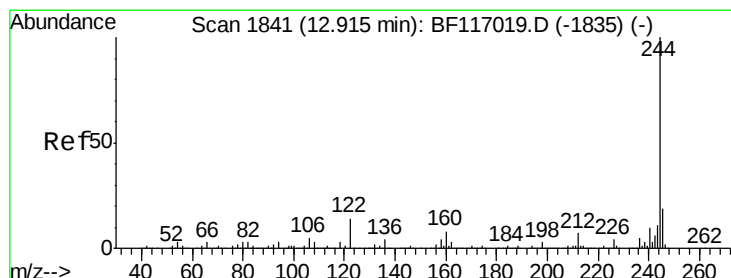
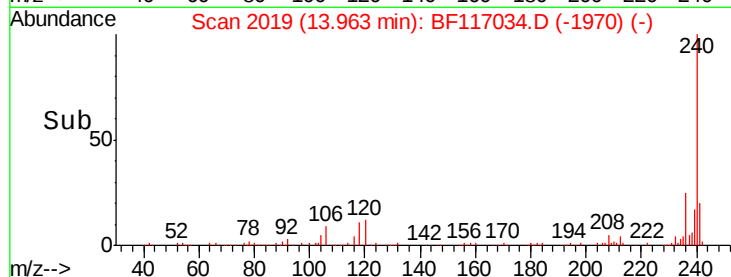
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 12.2  | 8.3   | 12.5  |
| 236     | 25.1  | 20.3  | 30.5  |



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

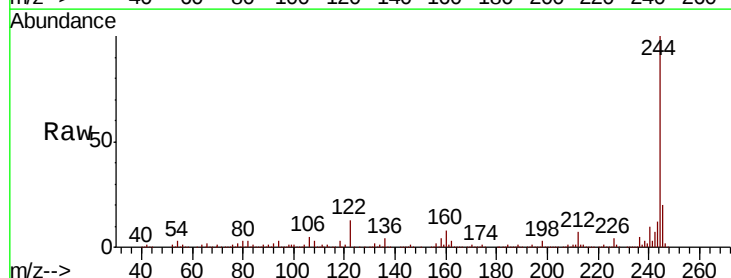


Time-->

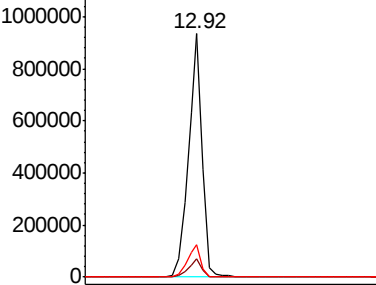


#79  
Terphenyl-d14  
Concen: 93.345 ng  
RT: 12.92 min Scan# 1841  
Delta R.T. 0.00 min  
Lab File: BF117034.D  
Acq: 13 Sep 2019 20:39

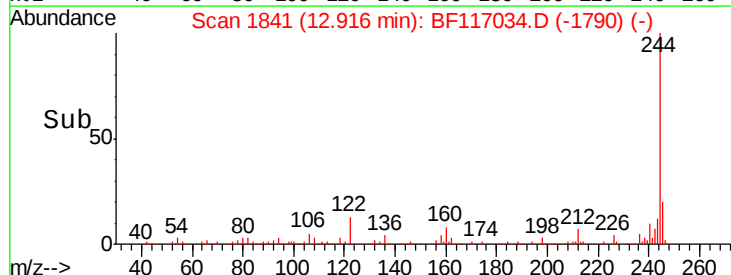
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.4   | 5.8   | 8.8   |
| 122     | 13.2  | 11.3  | 16.9  |

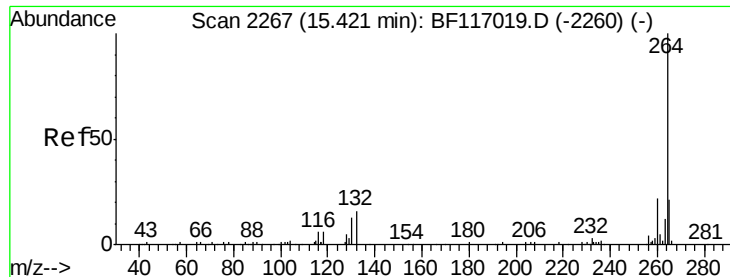


Abundance Ion 244.00 (243.70 to 244.70): E  
Ion 212.00 (211.70 to 212.70): E  
Ion 122.00 (121.70 to 122.70): E



Time-->





#87  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.41 min Scan# 2265  
 Delta R.T. -0.01 min  
 Lab File: BF117034.D  
 Acq: 13 Sep 2019 20:39

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CBH-139-A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 21.9  | 17.6  | 26.4  |
| 265     | 20.7  | 16.6  | 24.8  |

