

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082520\  
 Data File : BF121440.D  
 Acq On : 25 Aug 2020 21:47  
 Operator : JU/CG  
 Sample : L3788-03 20X  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 1794

Quant Time: Aug 26 02:50:33 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 20 04:56:10 2020  
 Response via : Initial Calibration

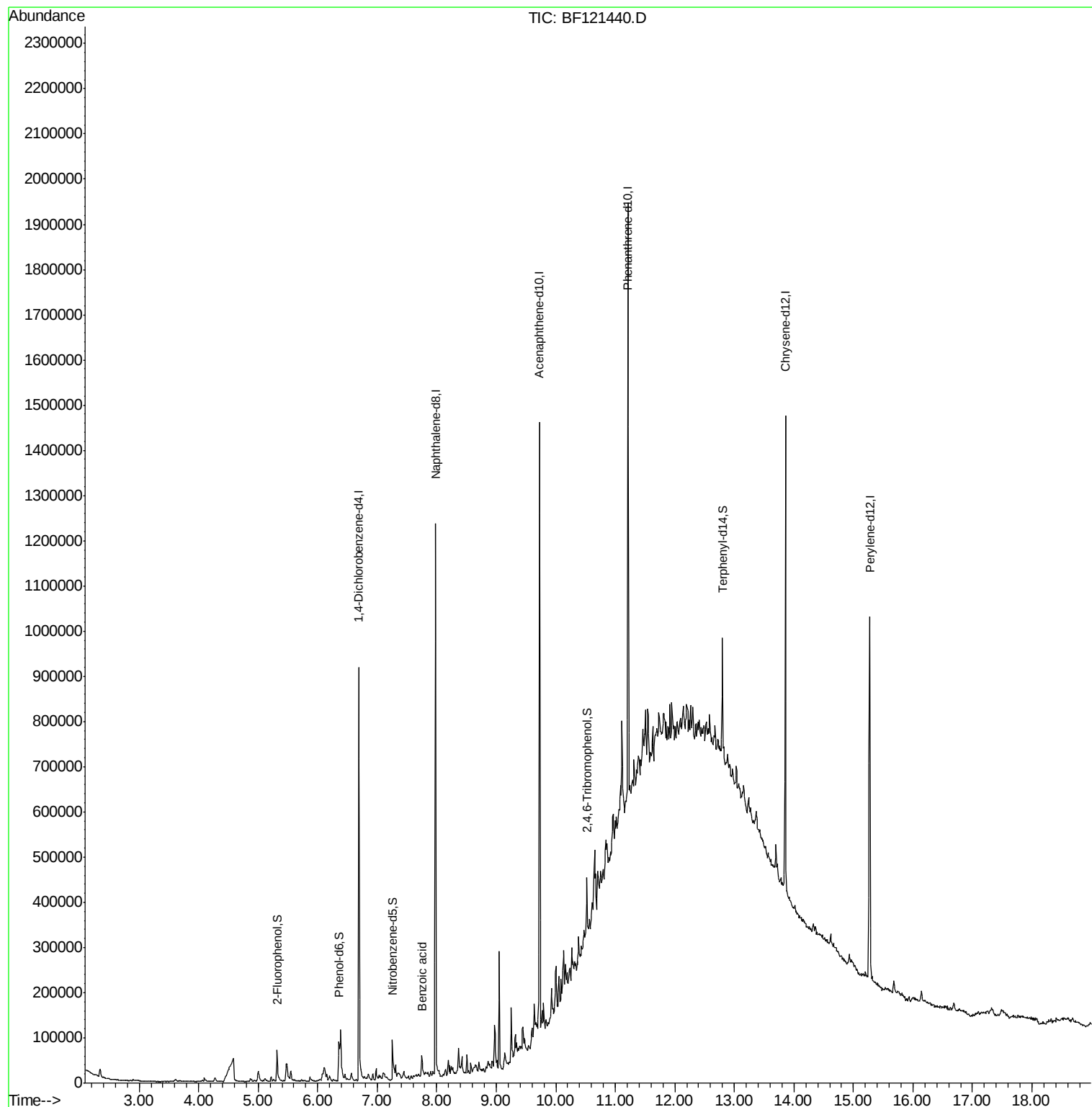
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|-------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.69  | 152  | 139435   | 20.00 | ng    | 0.00         |
| 21) Naphthalene-d8          | 7.98  | 136  | 555468   | 20.00 | ng    | 0.00         |
| 39) Acenaphthene-d10        | 9.73  | 164  | 290962   | 20.00 | ng    | 0.00         |
| 64) Phenanthrene-d10        | 11.22 | 188  | 513421   | 20.00 | ng    | 0.00         |
| 76) Chrysene-d12            | 13.86 | 240  | 359671   | 20.00 | ng    | 0.01         |
| 86) Perylene-d12            | 15.27 | 264  | 381421   | 20.00 | ng    | 0.02         |
| System Monitoring Compounds |       |      |          |       |       |              |
| 5) 2-Fluorophenol           | 5.32  | 112  | 31914    | 3.75  | ng    | 0.02         |
| 7) Phenol-d6                | 6.36  | 99   | 31663    | 2.92  | ng    | 0.02         |
| 23) Nitrobenzene-d5         | 7.26  | 82   | 30564    | 3.11  | ng    | 0.00         |
| 42) 2,4,6-Tribromophenol    | 10.52 | 330  | 15311    | 4.52  | ng    | 0.00         |
| 45) 2-Fluorobiphenyl        | 9.05  | 172  | 74178    | -9.47 | ng    | 0.00         |
| 79) Terphenyl-d14           | 12.80 | 244  | 73371    | 3.99  | ng    | 0.00         |
| Target Compounds            |       |      |          |       |       |              |
| 32) Benzoic acid            | 7.75  | 122  | 14379    | 9.206 | ng    | Qvalue<br>97 |

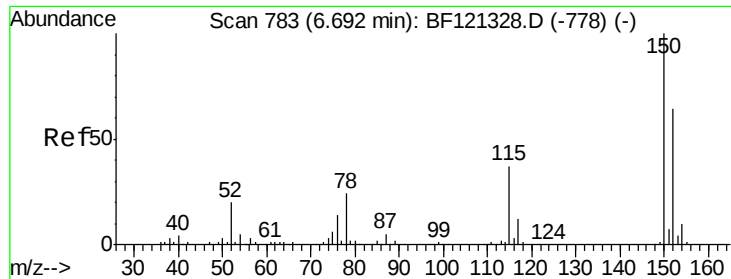
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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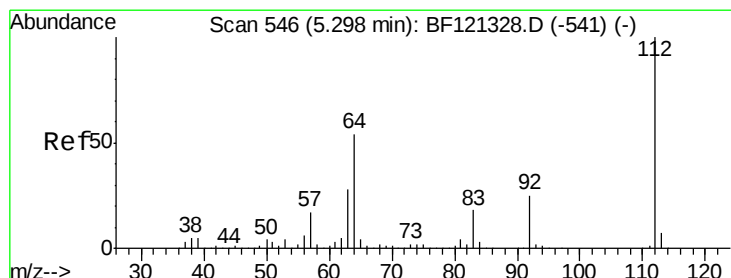
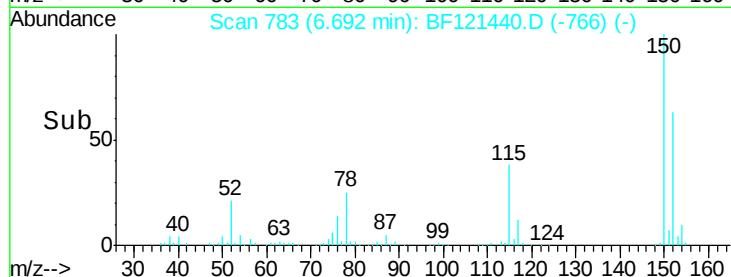
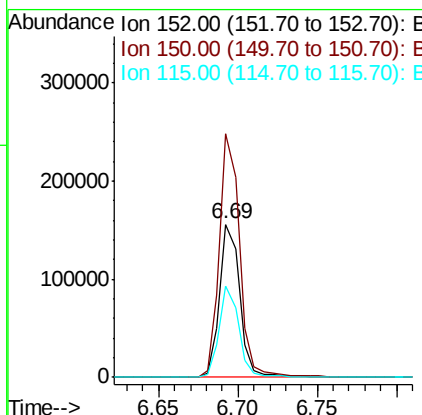
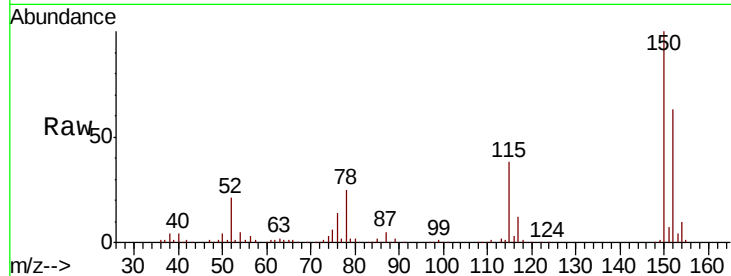


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.69 min Scan# 783  
Delta R.T. 0.00 min  
Lab File: BF121440.D  
Acq: 25 Aug 2020 21:47

Instrument :  
BNA\_F  
ClientSampleId :  
1794

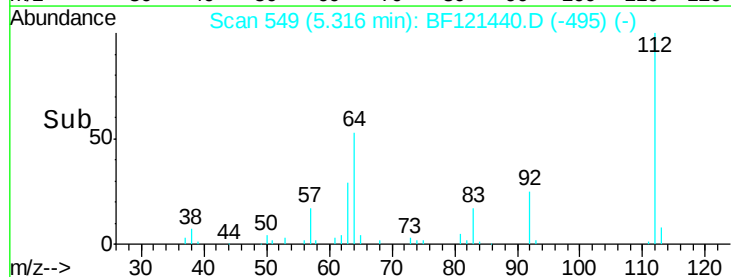
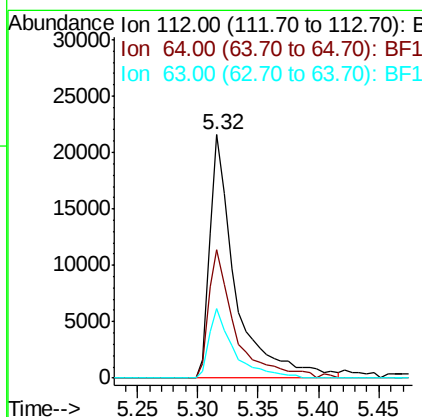
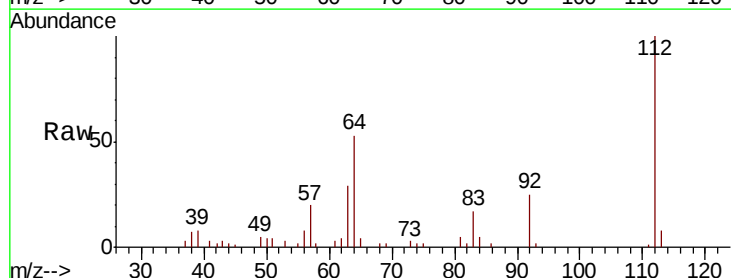
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 158.9 | 124.8 | 187.2 |
| 115     | 59.8  | 46.1  | 69.1  |



#5

2-Fluorophenol  
Concen: 3.753 ng  
RT: 5.32 min Scan# 549  
Delta R.T. 0.02 min  
Lab File: BF121440.D  
Acq: 25 Aug 2020 21:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 52.9  | 43.5  | 65.3  |
| 63      | 28.7  | 22.0  | 33.0  |





#7

Phenol-d6

Concen: 2.917 ng

RT: 6.36 min Scan# 726

Delta R.T. 0.02 min

Lab File: BF121440.D

Acq: 25 Aug 2020 21:47

Instrument :

BNA\_F

ClientSampleId :

1794

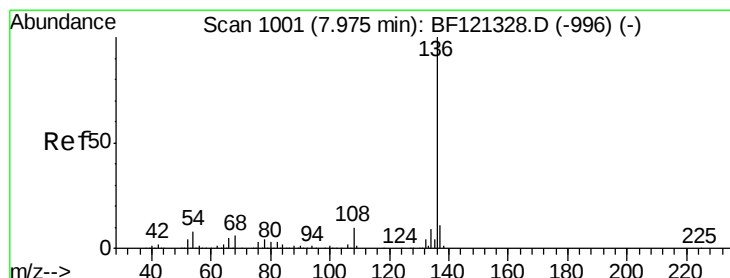
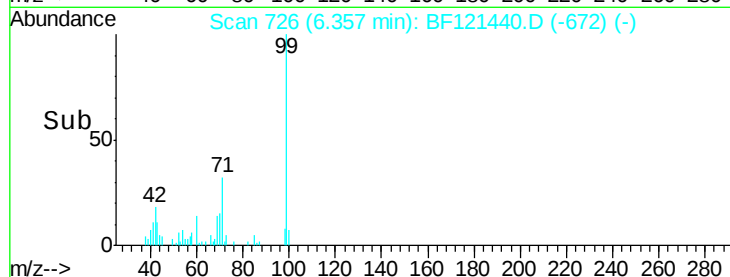
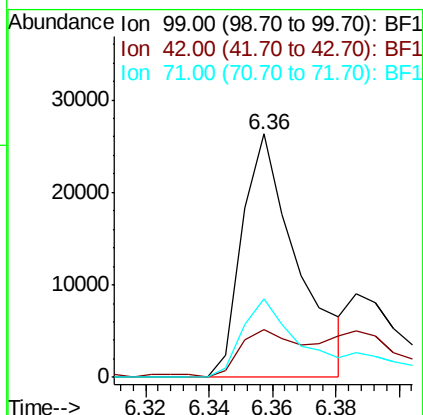
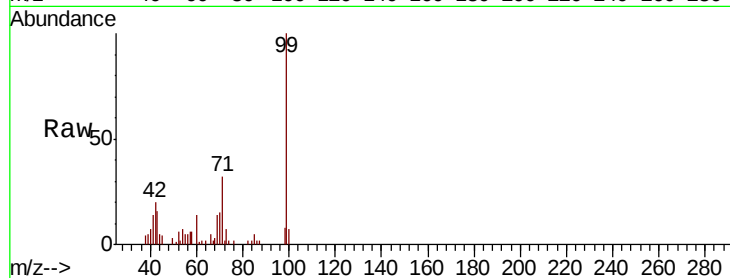
Tot Ion: 99 Resp: 31663

Ion Ratio Lower Upper

99 100

42 19.5 13.5 20.3

71 32.4 25.2 37.8



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.98 min Scan# 1002

Delta R.T. 0.01 min

Lab File: BF121440.D

Acq: 25 Aug 2020 21:47

Tgt Ion: 136 Resp: 555468

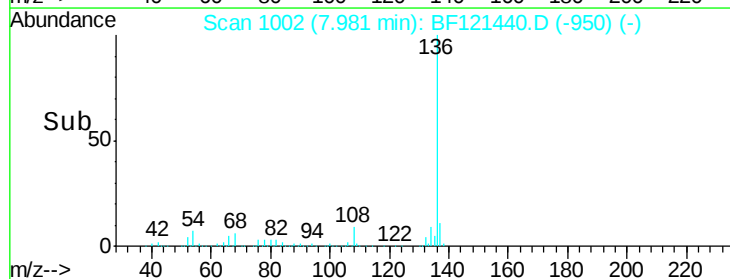
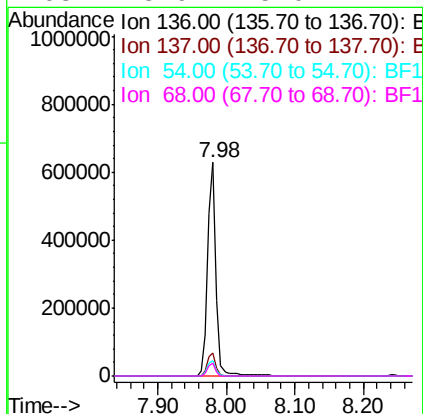
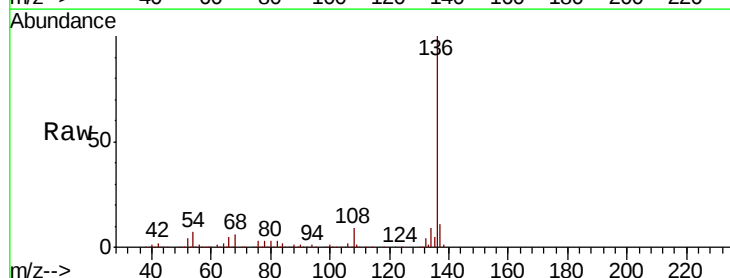
Ion Ratio Lower Upper

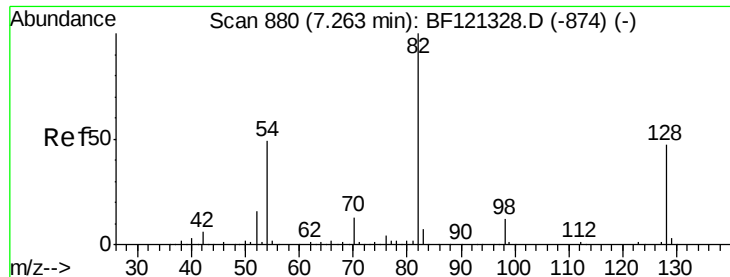
136 100

137 10.9 8.9 13.3

54 7.1 6.1 9.1

68 5.9 5.0 7.4

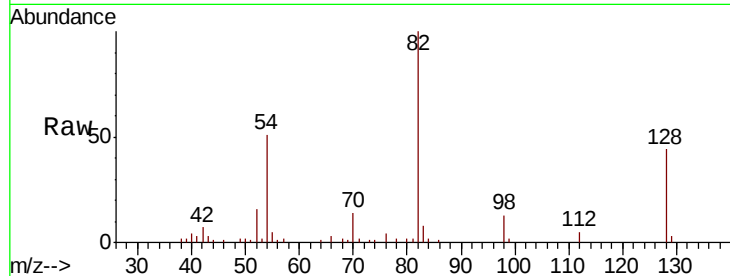




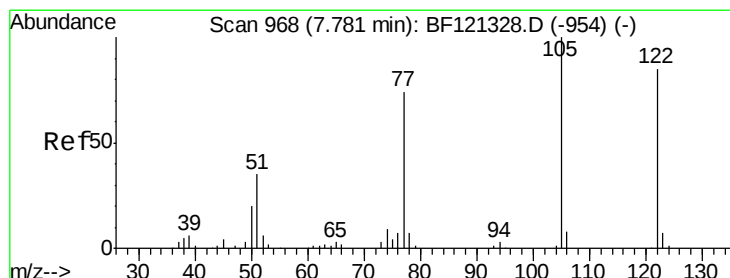
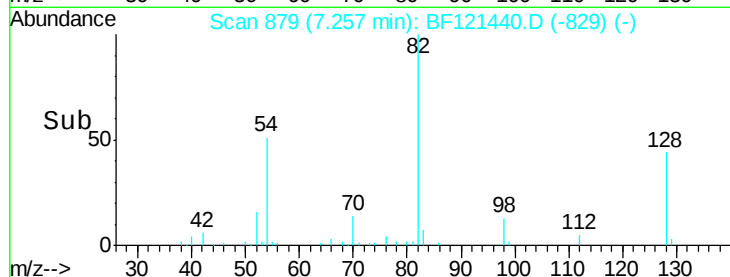
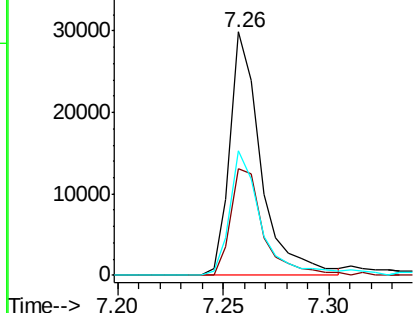
#23  
 Nitrobenzene-d5  
 Concen: 3.112 ng  
 RT: 7.26 min Scan# 879  
 Delta R.T. -0.01 min  
 Lab File: BF121440.D  
 Acq: 25 Aug 2020 21:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 1794

Tot Ion: 82 Resp: 30564  
 Ion Ratio Lower Upper  
 82 100  
 128 43.8 37.9 56.9  
 54 51.2 39.0 58.4

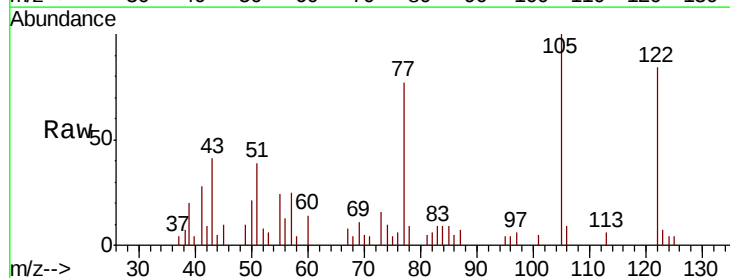


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

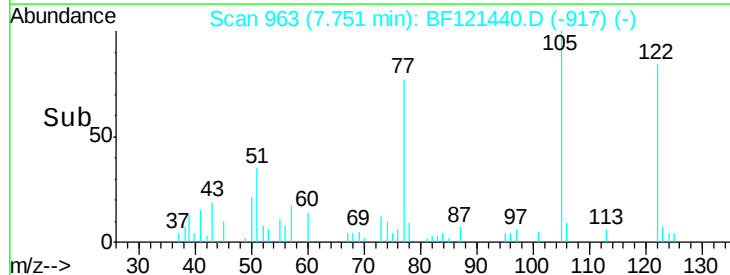
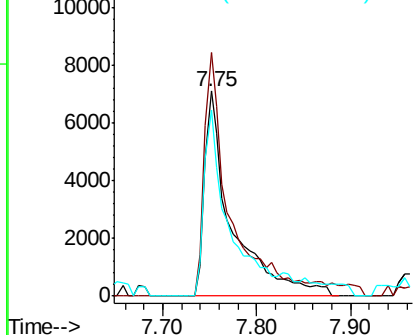


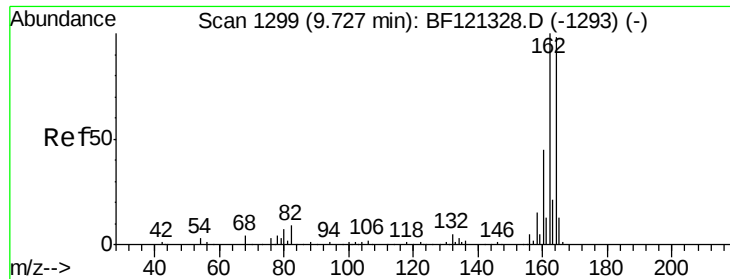
#32  
 Benzoic acid  
 Concen: 9.206 ng  
 RT: 7.75 min Scan# 963  
 Delta R.T. -0.03 min  
 Lab File: BF121440.D  
 Acq: 25 Aug 2020 21:47

Tgt Ion: 122 Resp: 14379  
 Ion Ratio Lower Upper  
 122 100  
 105 118.9 96.7 136.7  
 77 91.0 66.7 106.7



Abundance Ion 122.00 (121.70 to 122.70): BF1  
 Ion 105.00 (104.70 to 105.70): BF1  
 Ion 77.00 (76.70 to 77.70): BF1

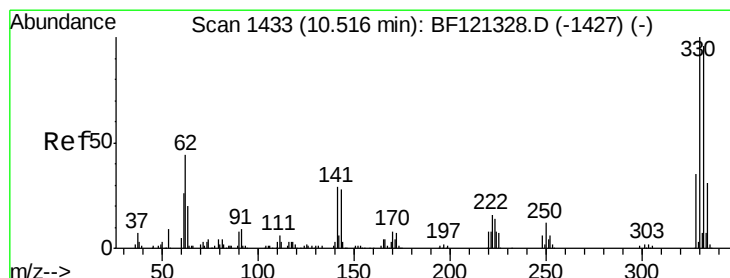
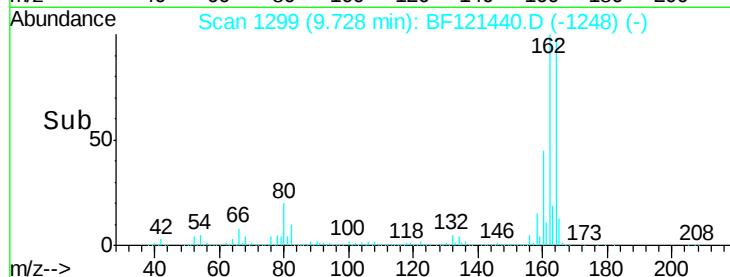
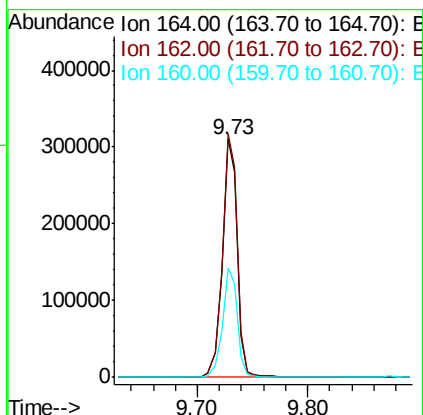
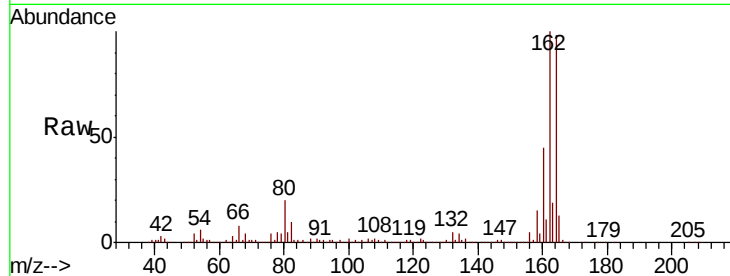




#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.73 min Scan# 1299  
 Delta R.T. 0.00 min  
 Lab File: BF121440.D  
 Acq: 25 Aug 2020 21:47

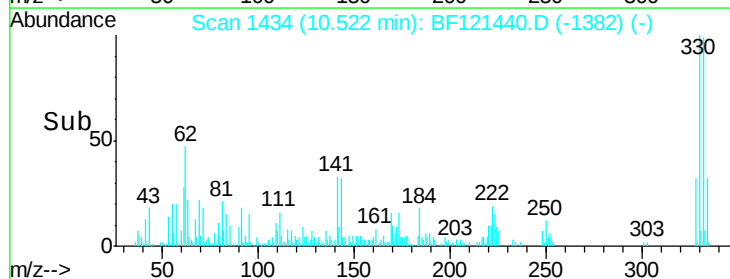
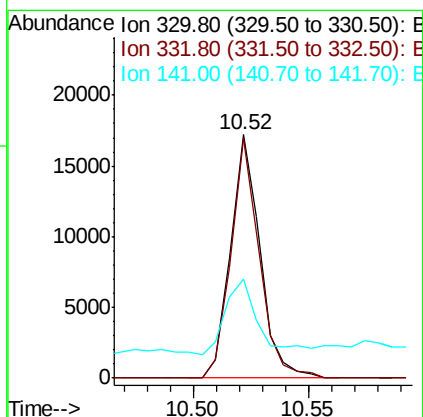
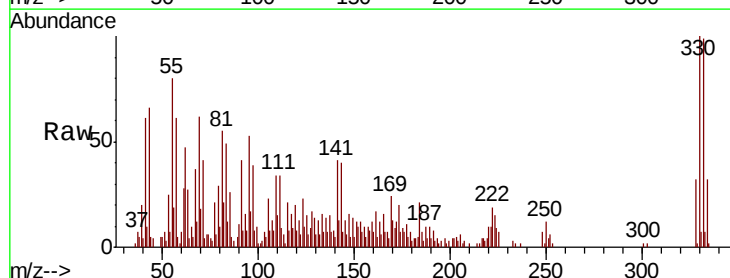
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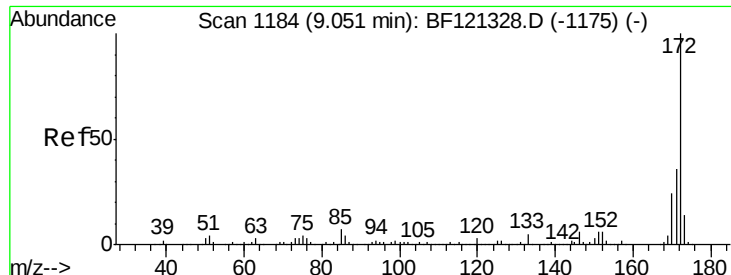
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.2 | 81.7  | 122.5 |
| 160     | 45.9  | 37.0  | 55.4  |



#42  
 2,4,6-Tribromophenol  
 Concen: 4.516 ng  
 RT: 10.52 min Scan# 1434  
 Delta R.T. 0.01 min  
 Lab File: BF121440.D  
 Acq: 25 Aug 2020 21:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.1  | 76.9  | 115.3 |
| 141     | 35.3  | 22.8  | 34.2# |

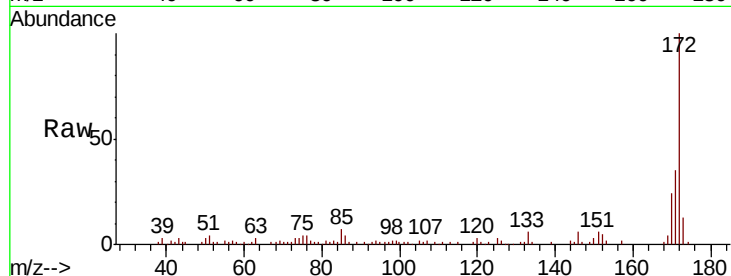




#45  
 2-Fluorobiphenyl  
 Concen: -9.474 ng  
 RT: 9.05 min Scan# 1184  
 Delta R.T. 0.00 min  
 Lab File: BF121440.D  
 Acq: 25 Aug 2020 21:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 1794

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.7  | 29.0  | 43.6  |
| 170     | 23.8  | 19.4  | 29.2  |

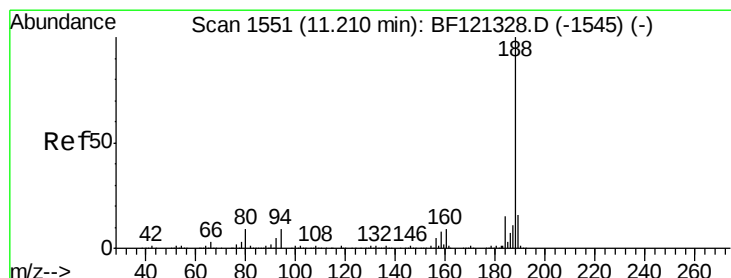
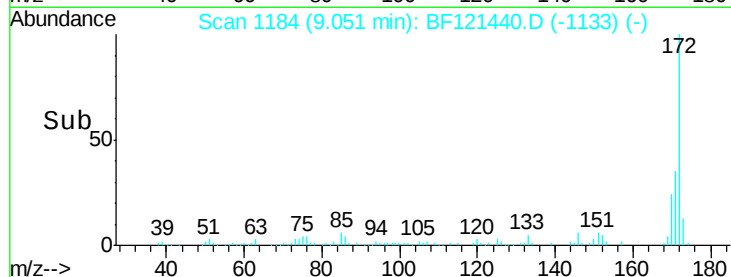
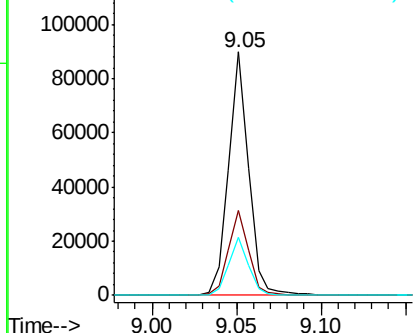


Abundance

Ion 172.00 (171.70 to 172.70): E

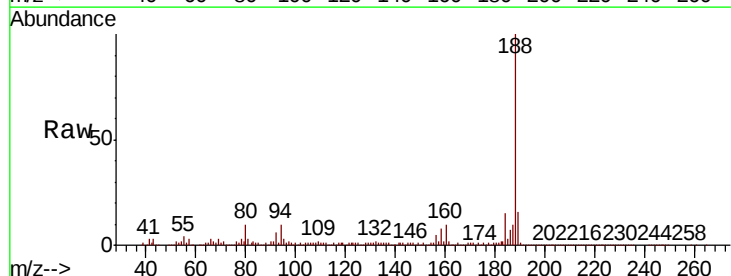
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.22 min Scan# 1552  
 Delta R.T. 0.01 min  
 Lab File: BF121440.D  
 Acq: 25 Aug 2020 21:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.9   | 7.2   | 10.8  |
| 80      | 10.4  | 7.4   | 11.0  |

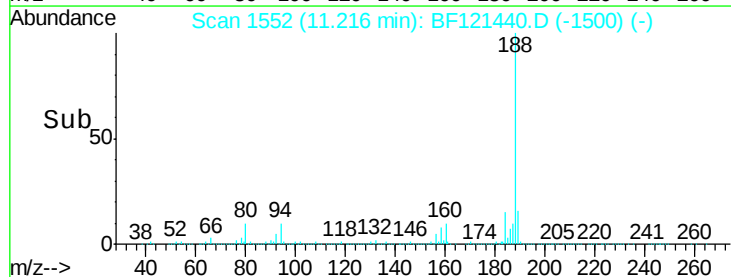
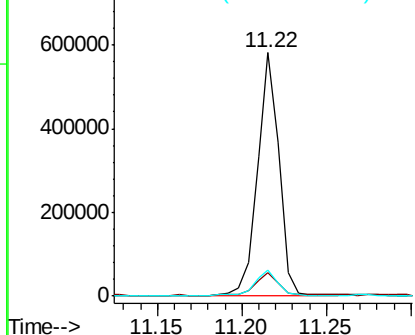


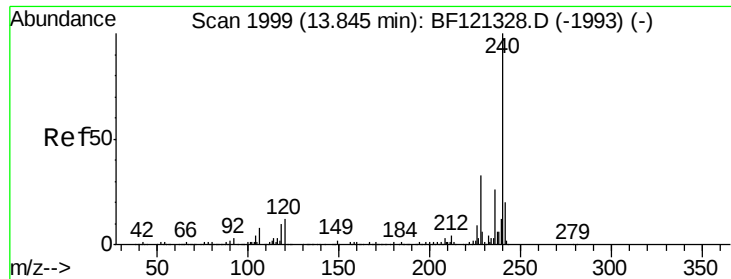
Abundance

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

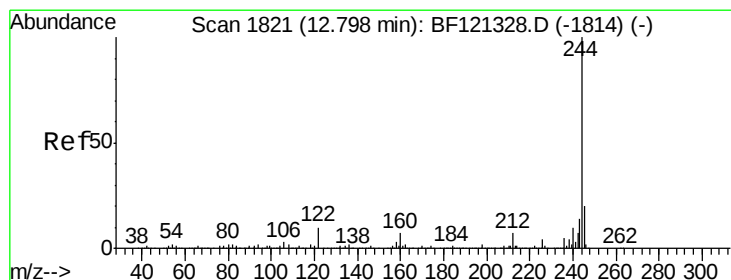
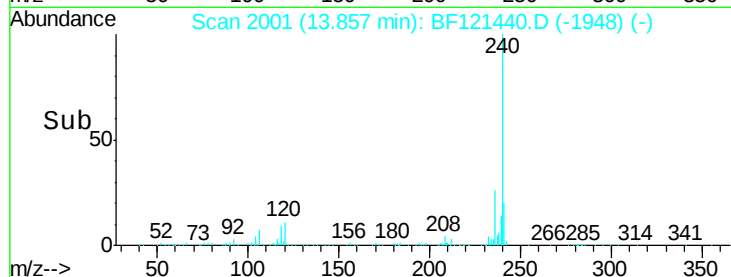
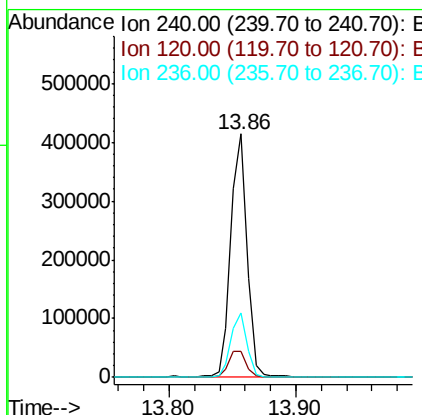
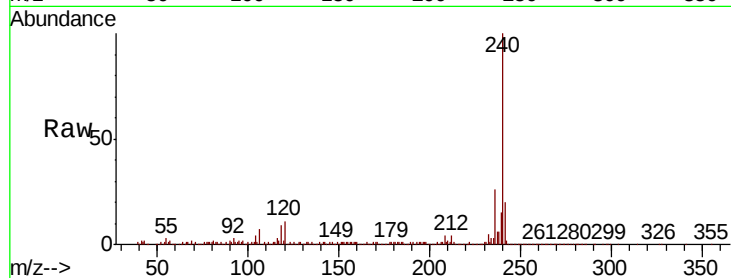




#76  
 Chrvsene-d12  
 Concen: 20.000 ng  
 RT: 13.86 min Scan# 2001  
 Delta R.T. 0.01 min  
 Lab File: BF121440.D  
 Acq: 25 Aug 2020 21:47

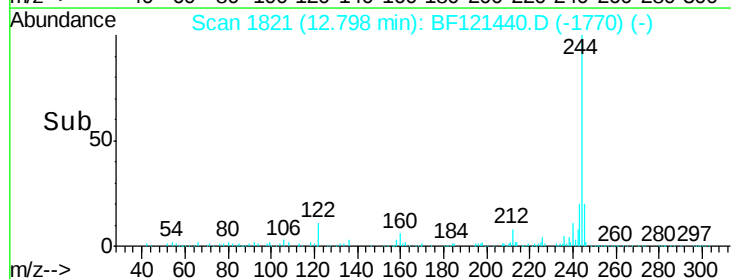
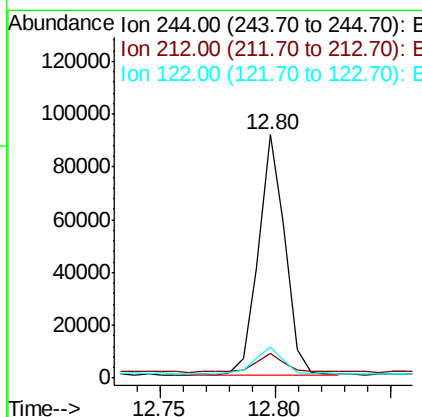
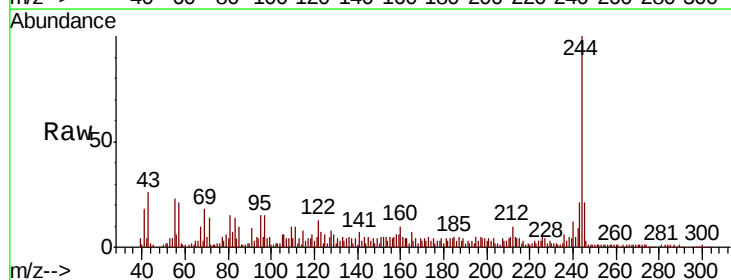
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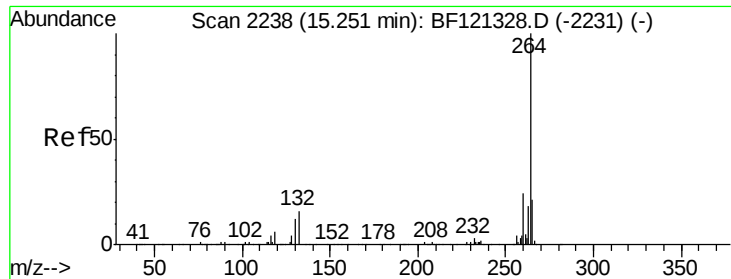
Tot Ion:240 Resp: 359671  
 Ion Ratio Lower Upper  
 240 100  
 120 10.8 9.6 14.4  
 236 26.5 20.6 31.0



#79  
 Terphenyl-d14  
 Concen: 3.986 ng  
 RT: 12.80 min Scan# 1821  
 Delta R.T. 0.00 min  
 Lab File: BF121440.D  
 Acq: 25 Aug 2020 21:47

Tgt Ion:244 Resp: 73371  
 Ion Ratio Lower Upper  
 244 100  
 212 10.1 5.4 8.0#  
 122 12.6 7.8 11.8#





#86  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.27 min Scan# 2242  
 Delta R.T. 0.02 min  
 Lab File: BF121440.D  
 Acq: 25 Aug 2020 21:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 1794

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.3  | 19.5  | 29.3  |
| 265     | 21.6  | 17.1  | 25.7  |

