

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF042220\  
 Data File : BF120125.D  
 Acq On : 22 Apr 2020 12:33  
 Operator : MA/SJ  
 Sample : PB128358TB  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB128358TB

Quant Time: Apr 22 13:12:25 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF040820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 22 11:49:00 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.67  | 152  | 133889   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.96  | 136  | 527585   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.72  | 164  | 276109   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.20 | 188  | 547693   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 13.84 | 240  | 435390   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12            | 15.25 | 264  | 404391   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.28  | 112  | 1161356  | 149.90 | ng    | 0.00     |
| 7) Phenol-d6                | 6.32  | 99   | 1481002  | 148.35 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.25  | 82   | 947861   | 92.94  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.51 | 330  | 420188   | 124.30 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.05  | 172  | 1783845  | 91.73  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.80 | 244  | 2045360  | 79.05  | ng    | 0.00     |

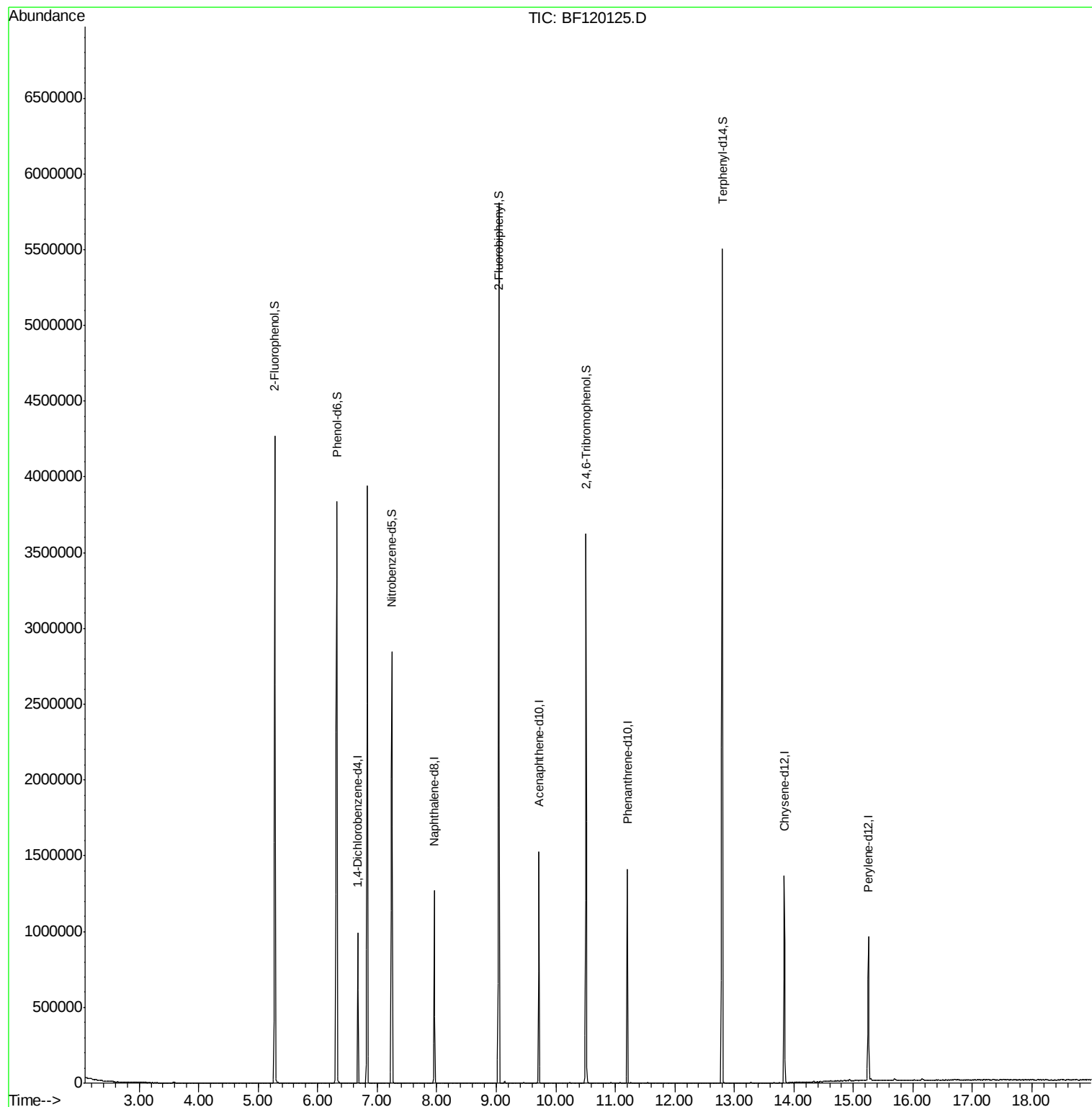
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

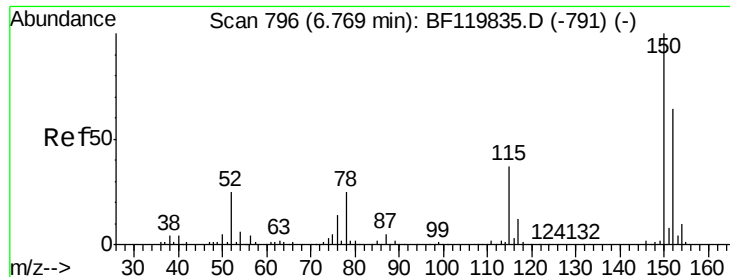
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF042220\  
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Misc :  
ALS Vial : 5 Sample Multiplier: 1

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BNA\_F  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Apr 22 11:49:00 2020  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.67 min Scan# 780

Delta R.T. -0.01 min

Lab File: BF120125.D

Acq: 22 Apr 2020 12:33

Instrument :

BNA\_F

ClientSampleId :

PB128358TB

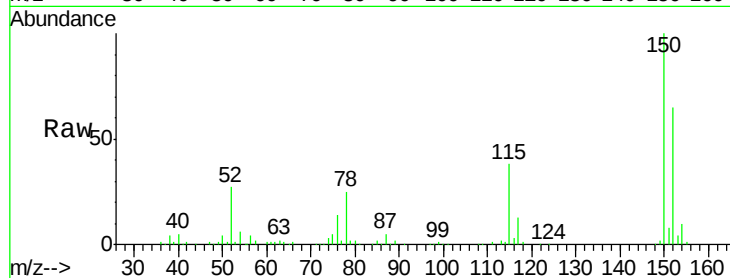
Tgt Ion:152 Resp: 133889

Ion Ratio Lower Upper

152 100

150 154.0 124.5 186.7

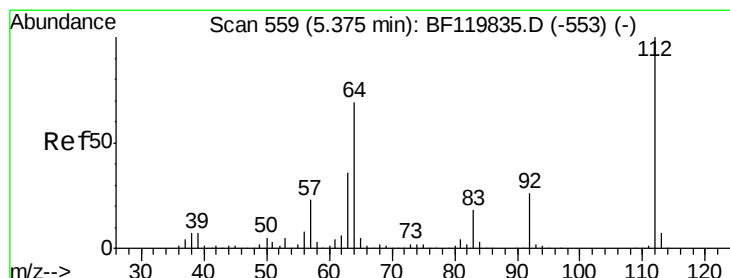
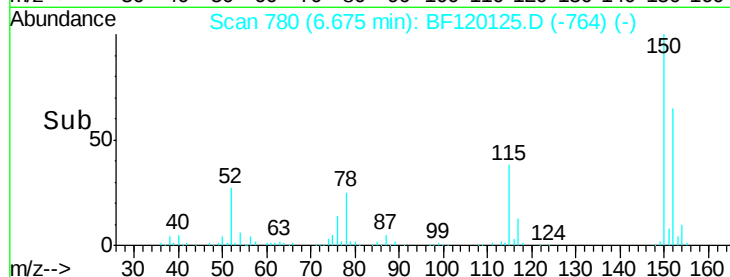
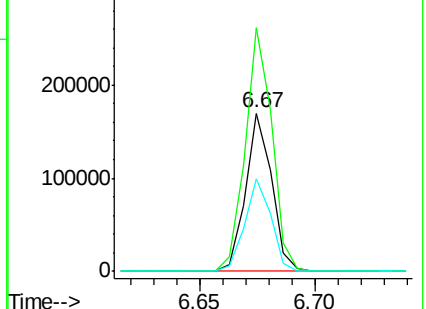
115 58.9 49.6 74.4



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: 149.90 ng

RT: 5.28 min Scan# 543

Delta R.T. 0.00 min

Lab File: BF120125.D

Acq: 22 Apr 2020 12:33

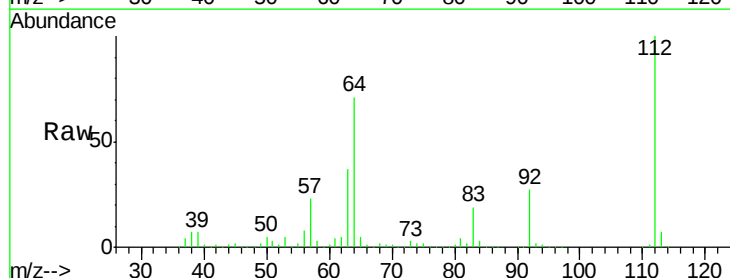
Tgt Ion:112 Resp: 1161356

Ion Ratio Lower Upper

112 100

64 71.0 56.7 85.1

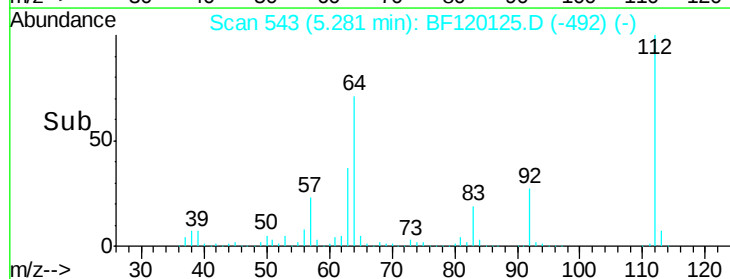
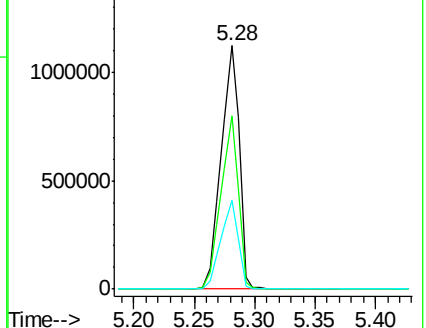
63 36.6 29.5 44.3



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: 148.35 ng

RT: 6.32 min Scan# 720

Delta R.T. -0.01 min

Lab File: BF120125.D

Acq: 22 Apr 2020 12:33

Instrument :

BNA\_F

ClientSampleId :

PB128358TB

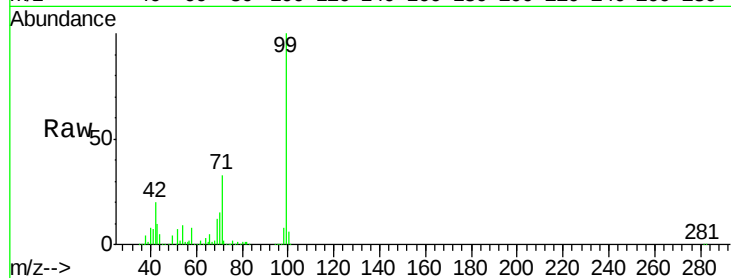
Tgt Ion: 99 Resp: 1481002

Ion Ratio Lower Upper

99 100

42 19.8 16.6 24.8

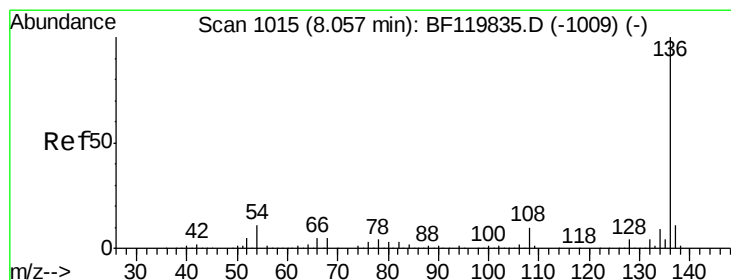
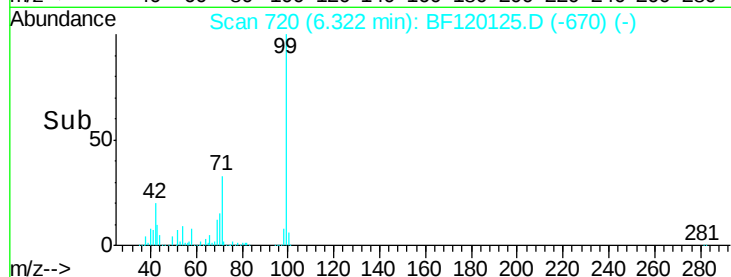
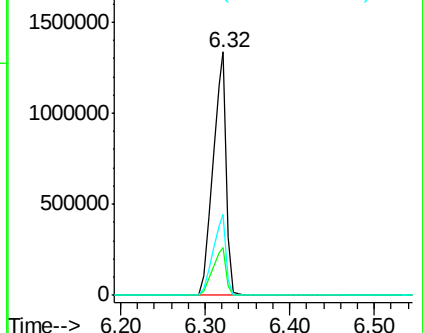
71 33.2 26.4 39.6



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: 20.00 ng

RT: 7.96 min Scan# 999

Delta R.T. -0.01 min

Lab File: BF120125.D

Acq: 22 Apr 2020 12:33

Tgt Ion: 136 Resp: 527585

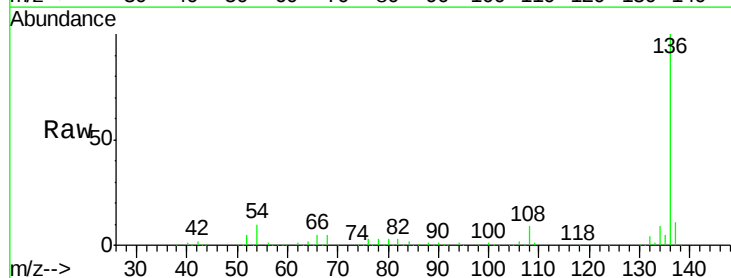
Ion Ratio Lower Upper

136 100

137 10.7 8.7 13.1

54 9.5 9.1 13.7

68 5.2 4.6 6.8

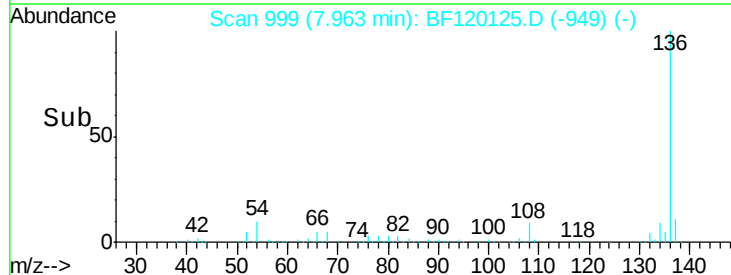
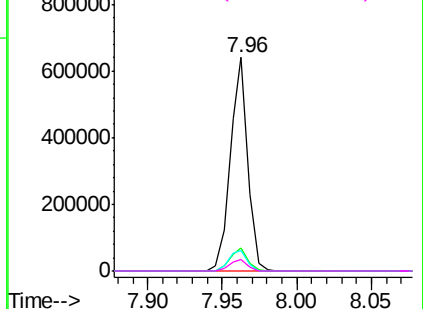


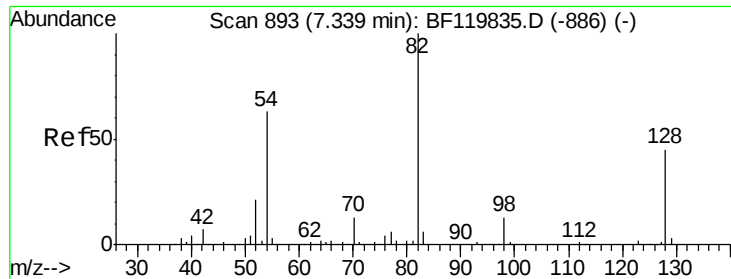
Abundance Ion 136.00 (135.70 to 136.70): E

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

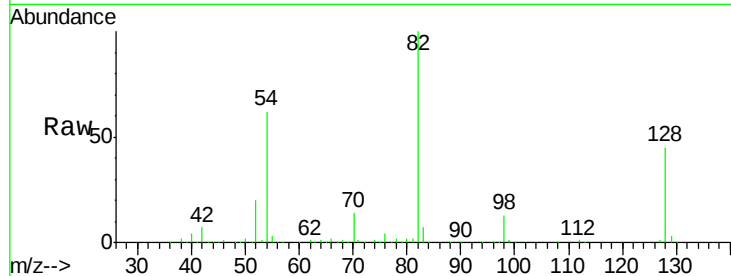




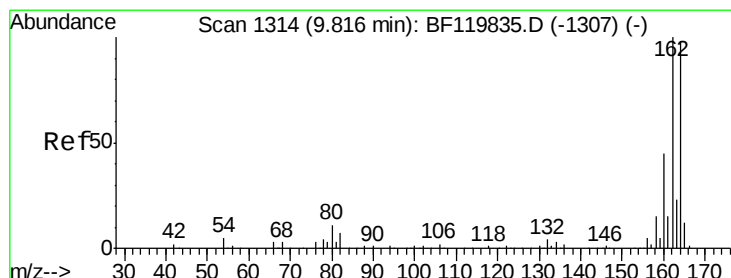
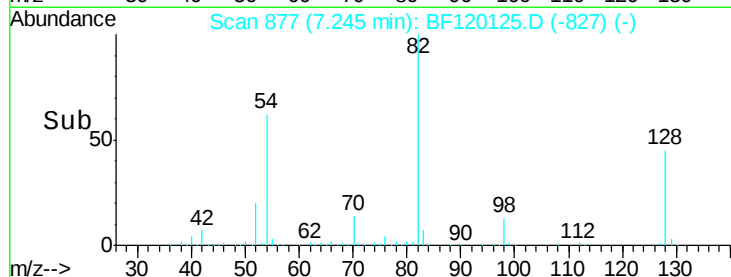
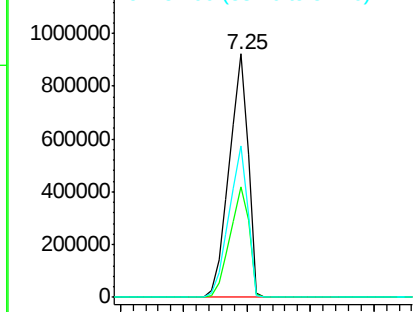
#23  
 Nitrobenzene-d5  
 Concen: 92.94 ng  
 RT: 7.25 min Scan# 877  
 Delta R.T. -0.01 min  
 Lab File: BF120125.D  
 Acq: 22 Apr 2020 12:33

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB128358TB

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 45.2  | 36.3  | 54.5  |
| 54      | 62.4  | 50.6  | 75.8  |

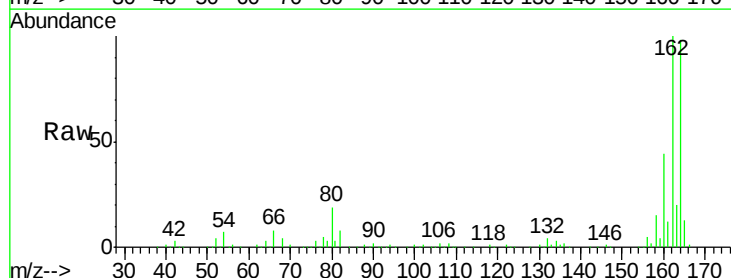


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF1

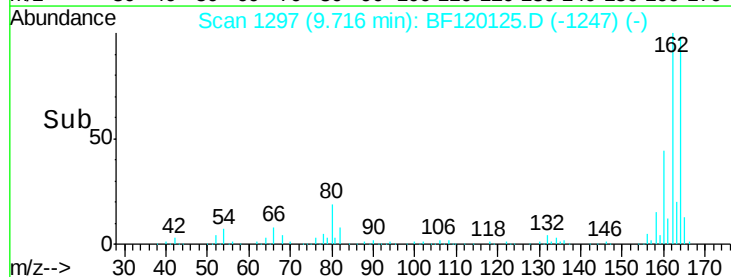
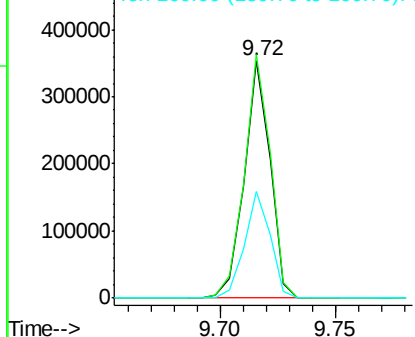


#39  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.72 min Scan# 1297  
 Delta R.T. -0.01 min  
 Lab File: BF120125.D  
 Acq: 22 Apr 2020 12:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.4 | 80.6  | 121.0 |
| 160     | 45.1  | 35.7  | 53.5  |



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

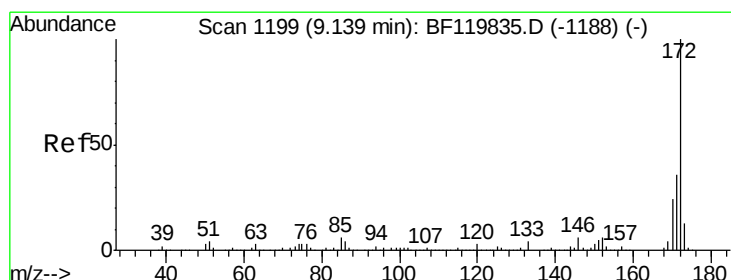
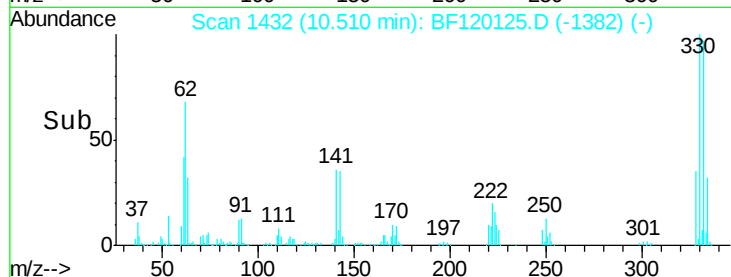
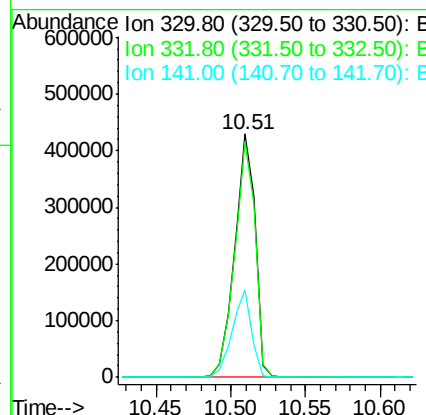
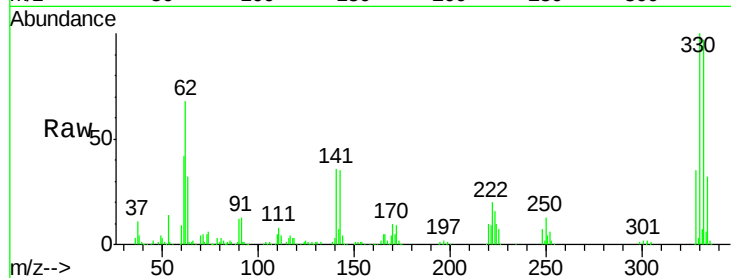




#42  
 2,4,6-Tribromophenol  
 Concen: 124.30 ng  
 RT: 10.51 min Scan# 1432  
 Delta R.T. -0.01 min  
 Lab File: BF120125.D  
 Acq: 22 Apr 2020 12:33

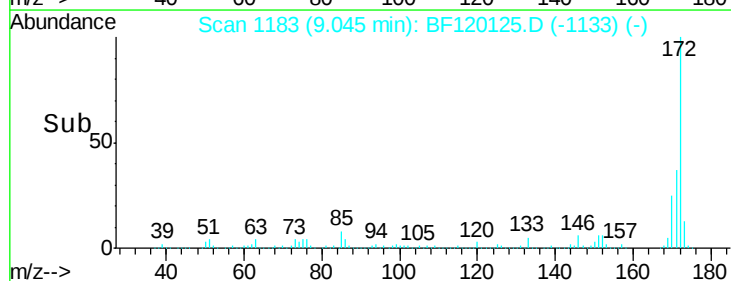
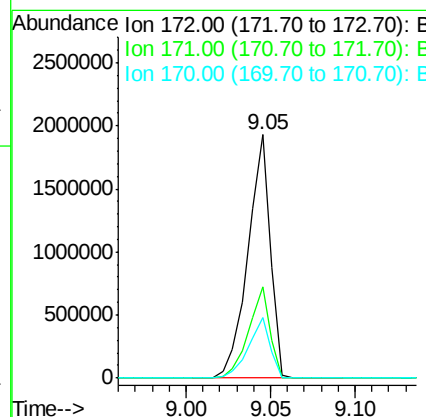
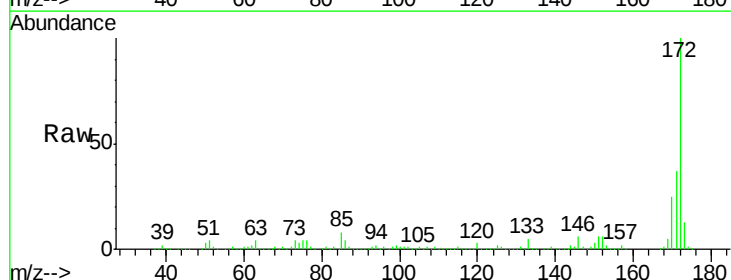
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB128358TB

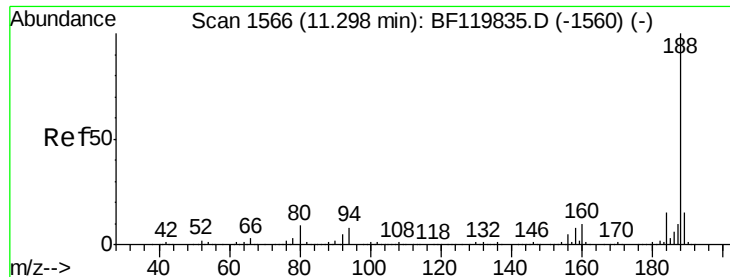
Tgt Ion:330 Resp: 420188  
 Ion Ratio Lower Upper  
 330 100  
 332 96.9 75.7 113.5  
 141 34.3 25.4 38.0



#45  
 2-Fluorobiphenyl  
 Concen: 91.73 ng  
 RT: 9.05 min Scan# 1183  
 Delta R.T. -0.01 min  
 Lab File: BF120125.D  
 Acq: 22 Apr 2020 12:33

Tgt Ion:172 Resp: 1783845  
 Ion Ratio Lower Upper  
 172 100  
 171 37.3 29.6 44.4  
 170 24.7 20.2 30.2

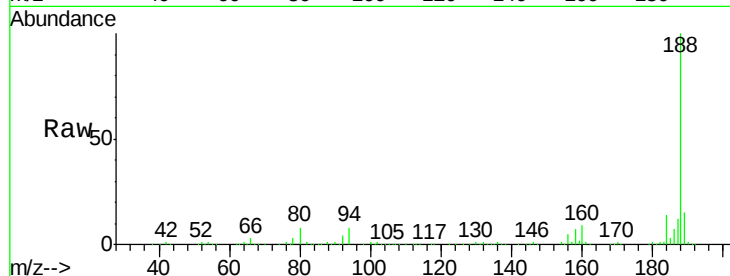




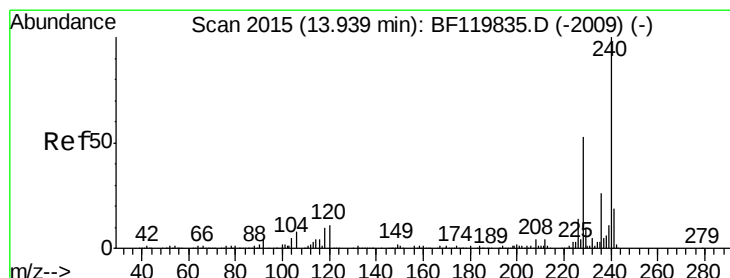
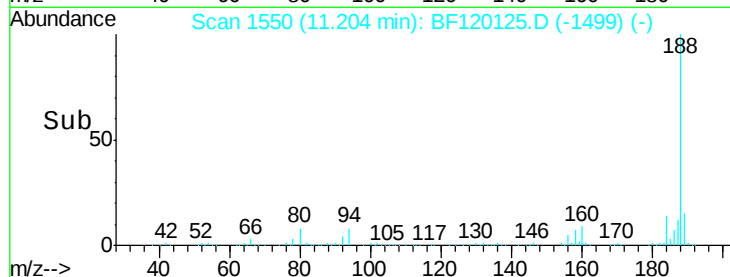
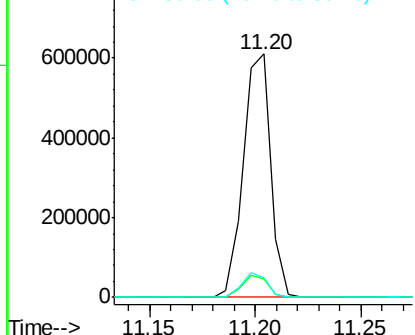
#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.20 min Scan# 1550  
Delta R.T. 0.00 min  
Lab File: BF120125.D  
Acq: 22 Apr 2020 12:33

Instrument :  
BNA\_F  
ClientSampleId :  
PB128358TB

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 7.7   | 7.5   | 11.3  |
| 80      | 8.0   | 9.0   | 13.4# |

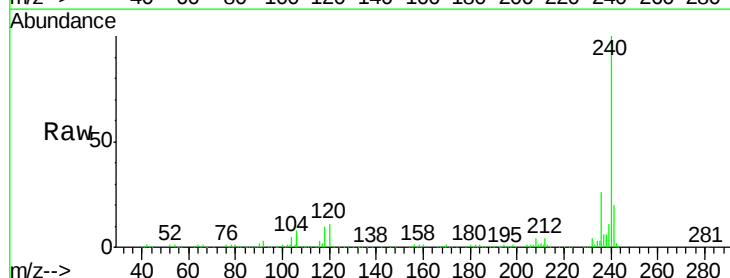


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

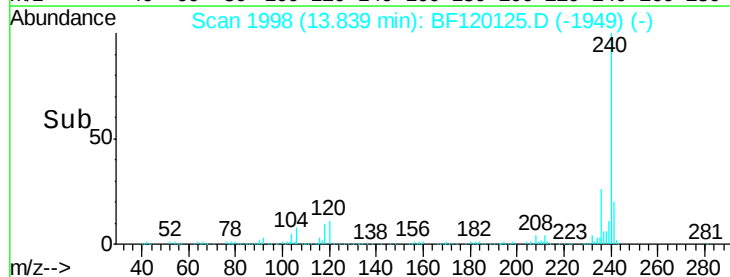
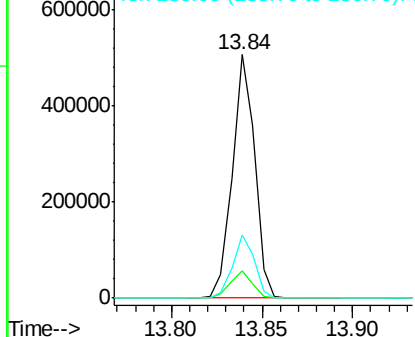


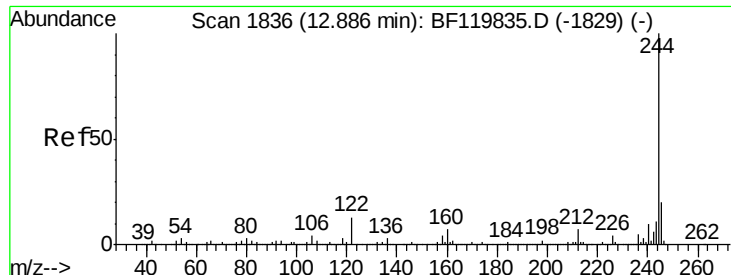
#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.84 min Scan# 1998  
Delta R.T. -0.01 min  
Lab File: BF120125.D  
Acq: 22 Apr 2020 12:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 11.1  | 10.6  | 15.8  |
| 236     | 25.8  | 20.2  | 30.2  |



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: 79.05 ng

RT: 12.80 min Scan# 1821

Delta R.T. 0.00 min

Lab File: BF120125.D

Acq: 22 Apr 2020 12:33

Instrument :

BNA\_F

ClientSampleId :

PB128358TB

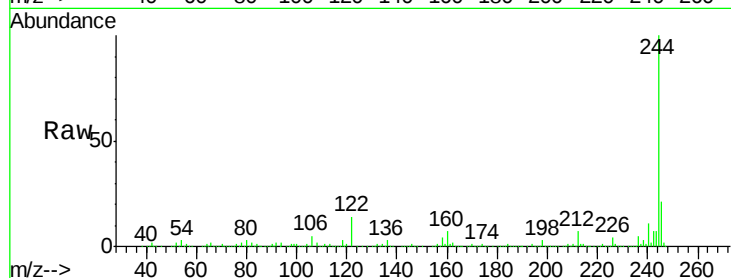
Tgt Ion:244 Resp: 2045360

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

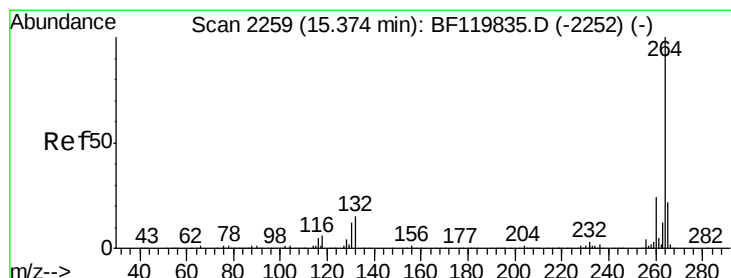
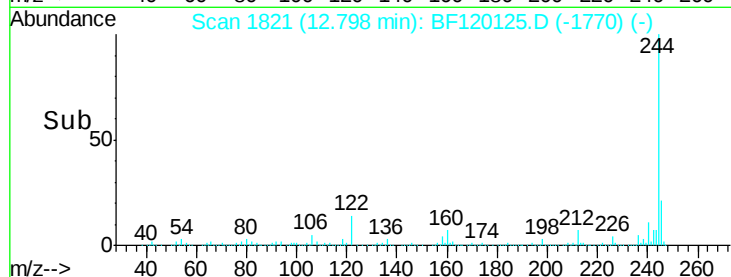
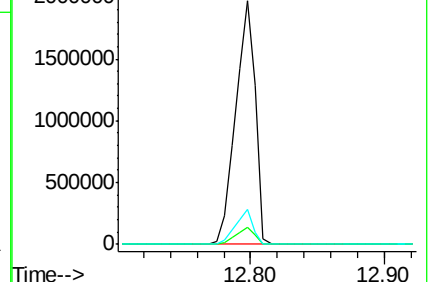
122 14.4 10.3 15.5



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: 20.00 ng

RT: 15.25 min Scan# 2238

Delta R.T. -0.01 min

Lab File: BF120125.D

Acq: 22 Apr 2020 12:33

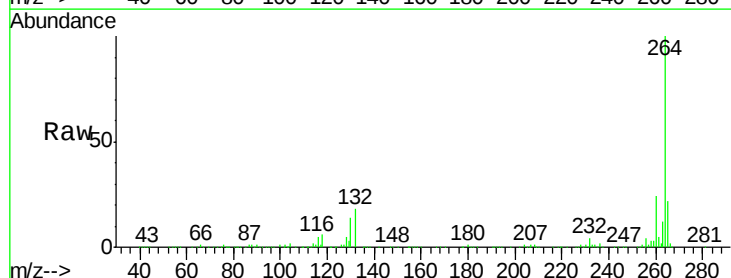
Tgt Ion:264 Resp: 404391

Ion Ratio Lower Upper

264 100

260 23.7 18.7 28.1

265 21.8 17.7 26.5



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

