

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032020\  
 Data File : BF119468.D  
 Acq On : 20 Mar 2020 12:59  
 Operator : CG/JU  
 Sample : PB127698BL  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB127698BL

Quant Time: Mar 20 19:01:03 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 18 15:11:18 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.85  | 152  | 318953   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.13  | 136  | 1215437  | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10        | 9.89  | 164  | 627196   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.38 | 188  | 1144095  | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12            | 14.02 | 240  | 679597   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12            | 15.50 | 264  | 663107   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.47  | 112  | 2284545  | 114.02 | ng    | 0.01     |
| 7) Phenol-d6                | 6.47  | 99   | 2816707  | 110.05 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.41  | 82   | 1812754  | 81.06  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.69 | 330  | 644617   | 99.62  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.22  | 172  | 3235028  | 76.41  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.97 | 244  | 3300585  | 95.15  | ng    | 0.00     |

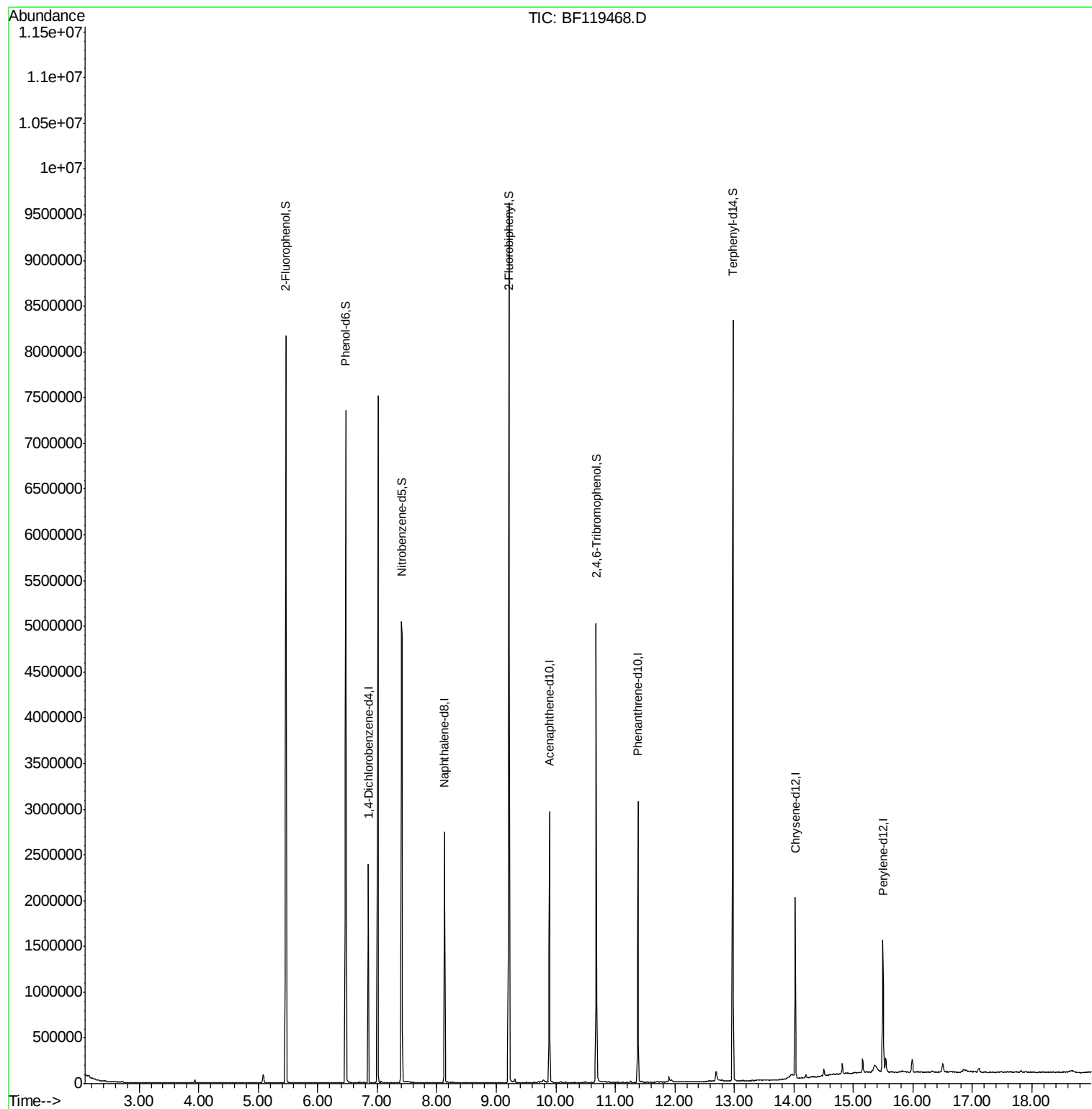
Target Compounds Qvalue

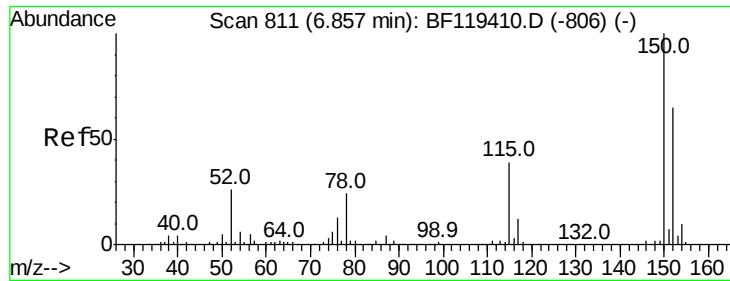
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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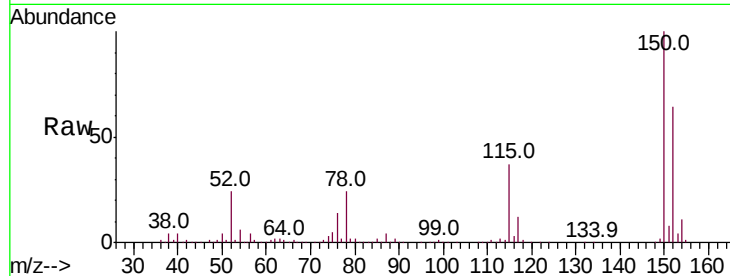


#1

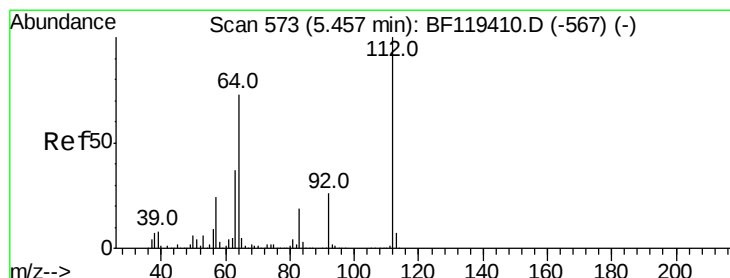
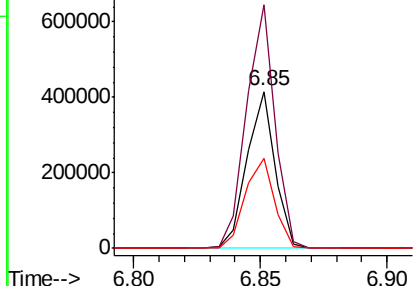
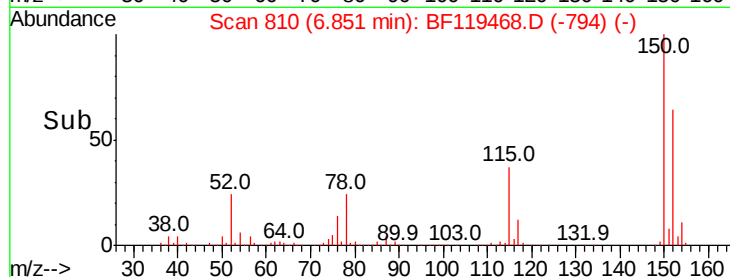
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.85 min Scan# 810  
 Delta R.T. -0.01 min  
 Lab File: BF119468.D  
 Acq: 20 Mar 2020 12:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB127698BL

Tot Ion:152 Resp: 318953  
 Ion Ratio Lower Upper  
 152 100  
 150 155.4 123.9 185.9  
 115 57.3 47.8 71.6



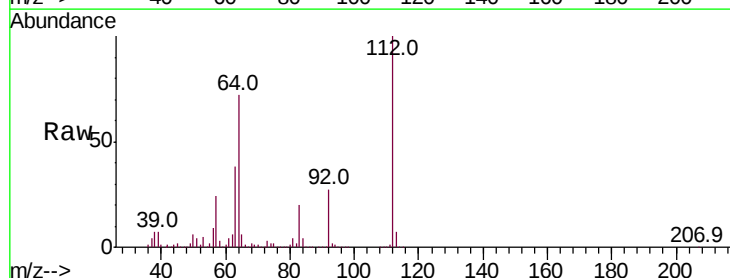
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



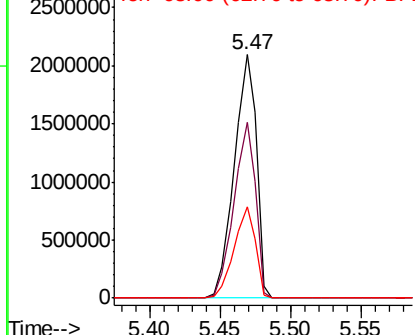
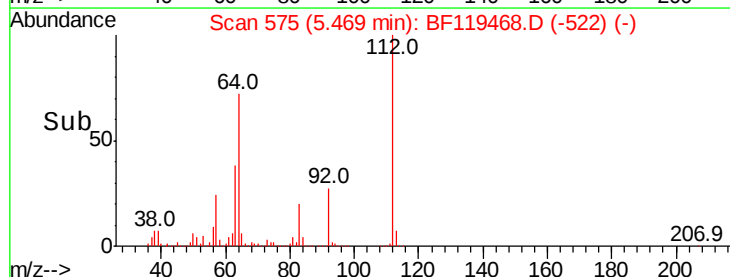
#5

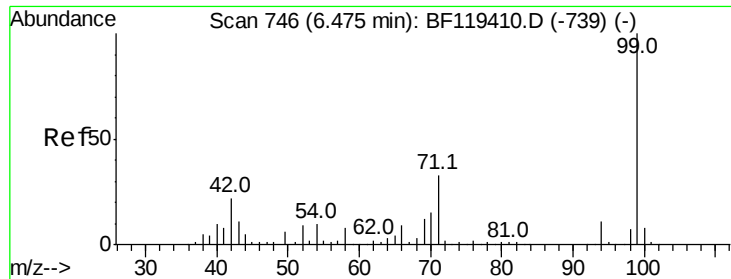
2-Fluorophenol  
 Concen: 114.022 ng  
 RT: 5.47 min Scan# 575  
 Delta R.T. 0.01 min  
 Lab File: BF119468.D  
 Acq: 20 Mar 2020 12:59

Tgt Ion:112 Resp: 2284545  
 Ion Ratio Lower Upper  
 112 100  
 64 72.3 58.1 87.1  
 63 37.7 29.7 44.5



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: 110.051 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.00 min

Lab File: BF119468.D

Acq: 20 Mar 2020 12:59

Instrument :

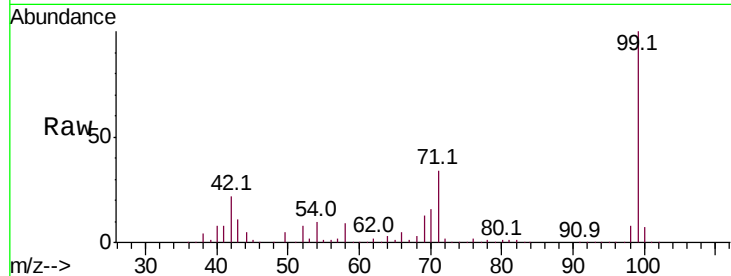
BNA\_F

ClientSampleId :

PB127698BL

Tot Ion: 99 Resp: 2816707

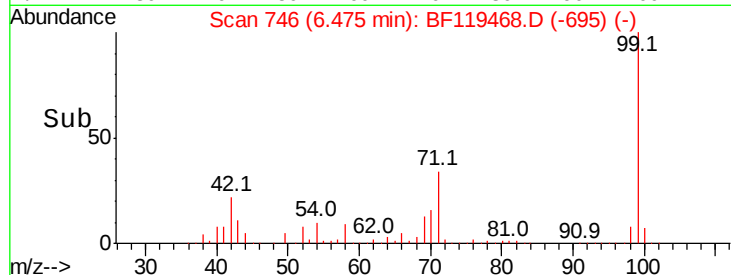
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 21.9  | 17.8  | 26.6  |
| 71  | 34.3  | 26.0  | 39.0  |



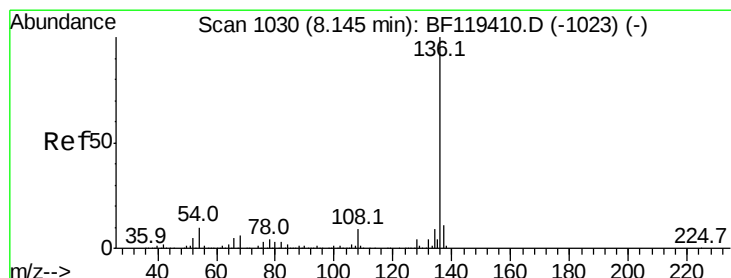
Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

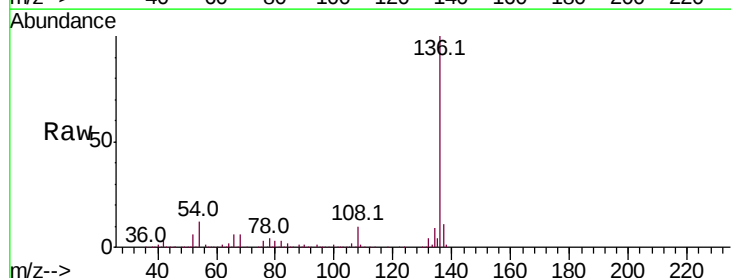
Delta R.T. -0.01 min

Lab File: BF119468.D

Acq: 20 Mar 2020 12:59

Tgt Ion:136 Resp: 1215437

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.0  | 8.4   | 12.6  |
| 54  | 11.5  | 8.3   | 12.5  |
| 68  | 6.1   | 4.9   | 7.3   |

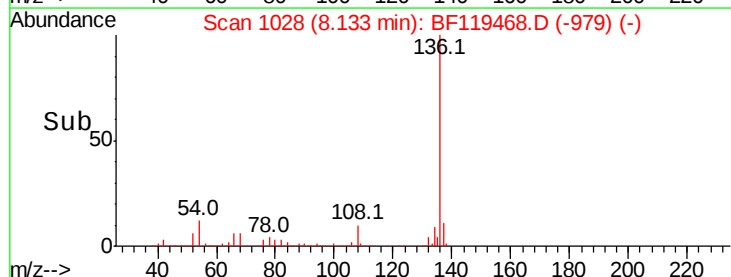


Abundance Ion 136.00 (135.70 to 136.70): E

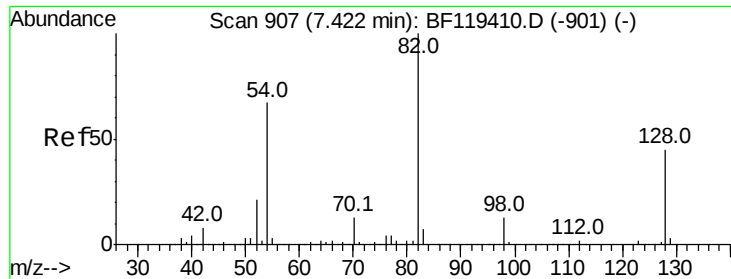
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



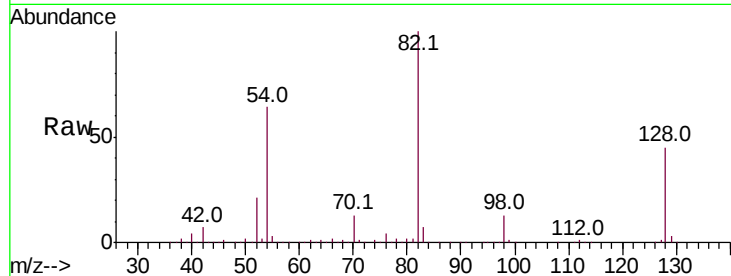
Time-->



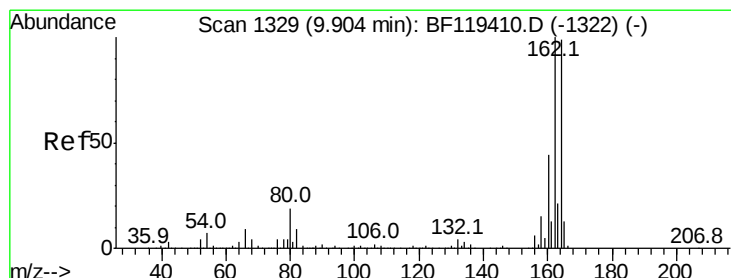
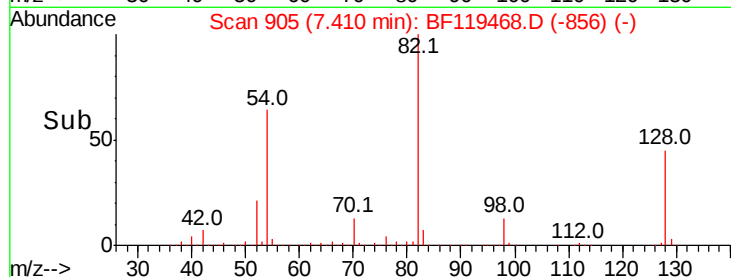
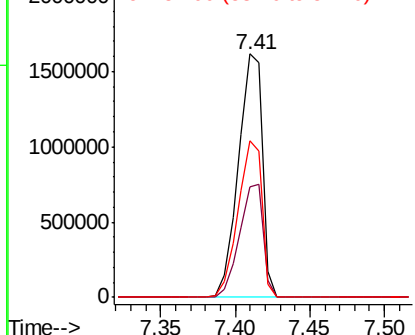
#23  
Nitrobenzene-d5  
Concen: 81.057 ng  
RT: 7.41 min Scan# 905  
Delta R.T. -0.01 min  
Lab File: BF119468.D  
Acq: 20 Mar 2020 12:59

Instrument :  
BNA\_F  
ClientSampleId :  
PB127698BL

Tot Ion: 82 Resp: 1812754  
Ion Ratio Lower Upper  
82 100  
128 45.2 35.8 53.8  
54 64.3 53.4 80.0

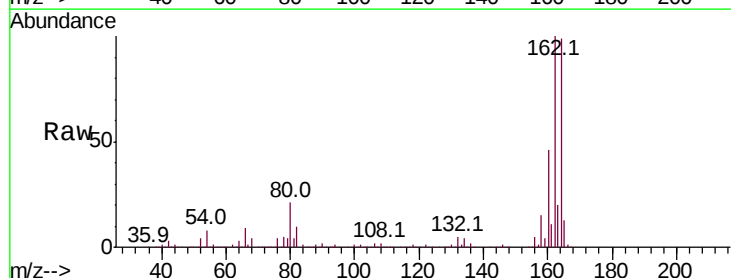


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

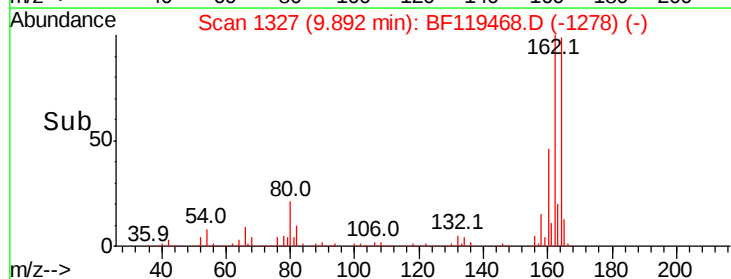
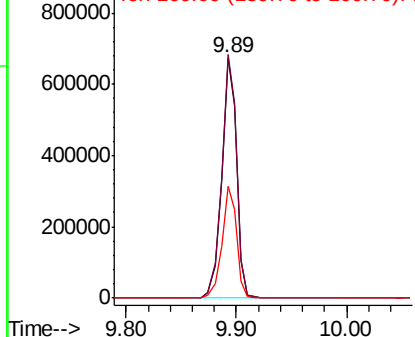


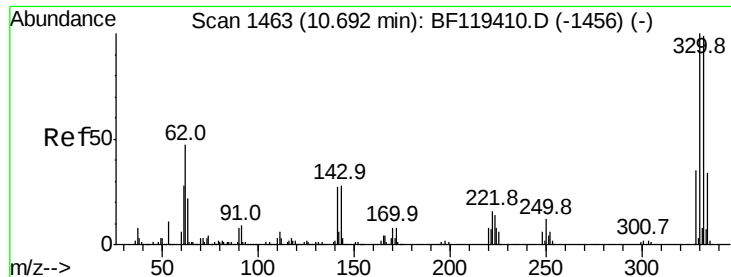
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.89 min Scan# 1327  
Delta R.T. -0.01 min  
Lab File: BF119468.D  
Acq: 20 Mar 2020 12:59

Tgt Ion:164 Resp: 627196  
Ion Ratio Lower Upper  
164 100  
162 101.4 80.7 121.1  
160 46.4 35.5 53.3



Abundance Ion 164.00 (163.70 to 164.70): BF1  
Ion 162.00 (161.70 to 162.70): BF1  
Ion 160.00 (159.70 to 160.70): BF1

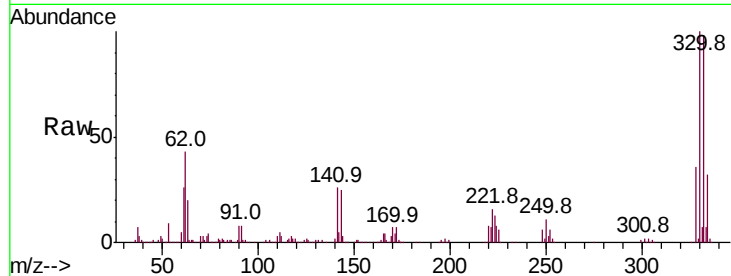




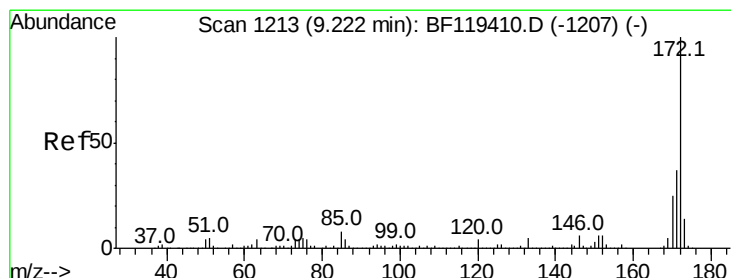
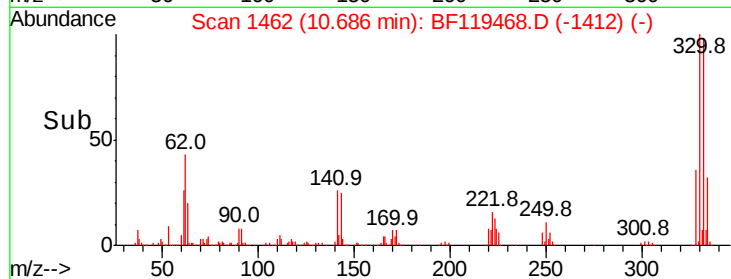
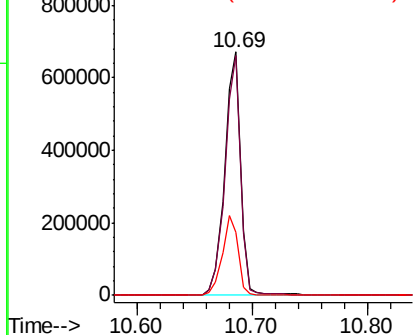
#42  
 2,4,6-Tribromophenol  
 Concen: 99.623 ng  
 RT: 10.69 min Scan# 1462  
 Delta R.T. -0.01 min  
 Lab File: BF119468.D  
 Acq: 20 Mar 2020 12:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB127698BL

Tot Ion:330 Resp: 644617  
 Ion Ratio Lower Upper  
 330 100  
 332 96.3 77.6 116.4  
 141 32.6 26.6 40.0

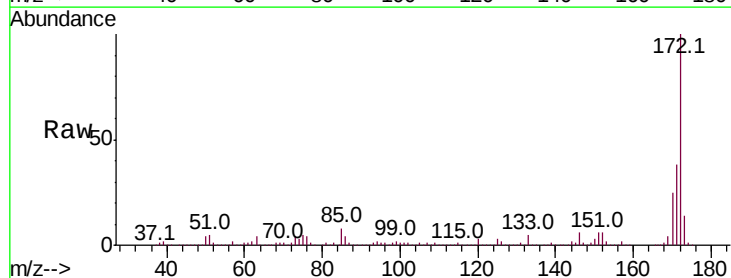


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

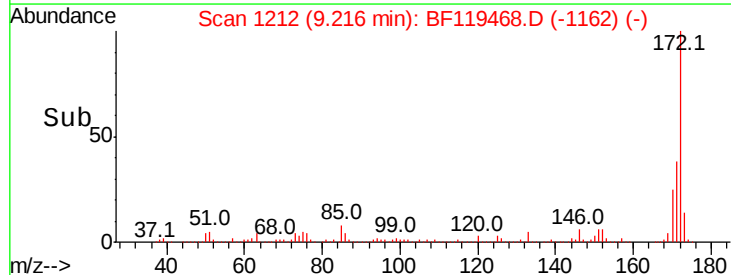
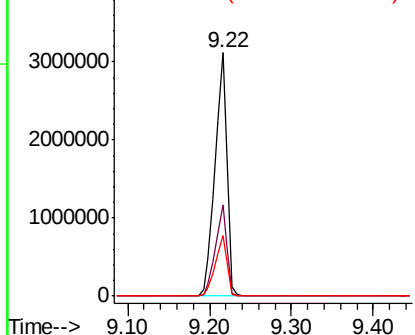


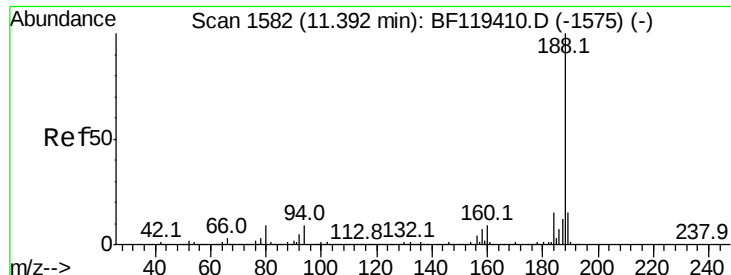
#45  
 2-Fluorobiphenyl  
 Concen: 76.413 ng  
 RT: 9.22 min Scan# 1212  
 Delta R.T. -0.01 min  
 Lab File: BF119468.D  
 Acq: 20 Mar 2020 12:59

Tgt Ion:172 Resp: 3235028  
 Ion Ratio Lower Upper  
 172 100  
 171 37.6 29.9 44.9  
 170 24.9 20.1 30.1



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

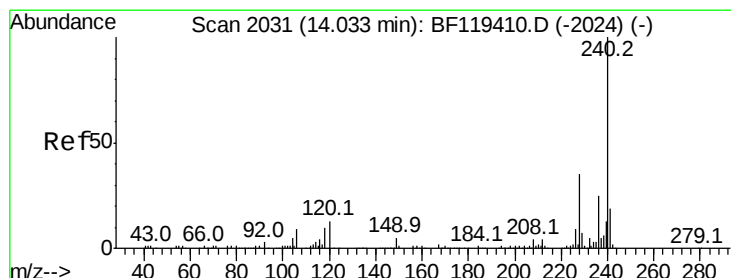
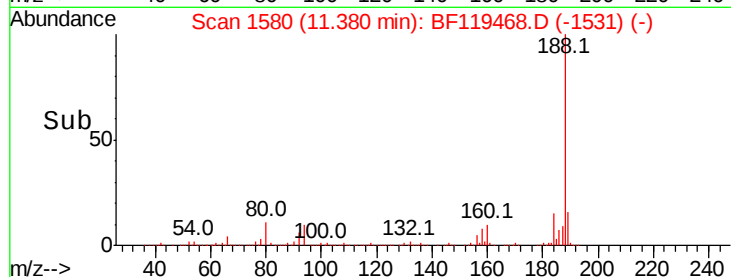
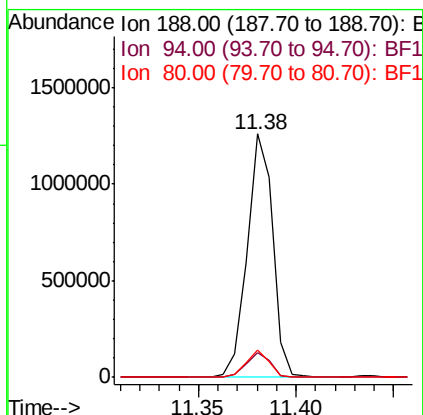
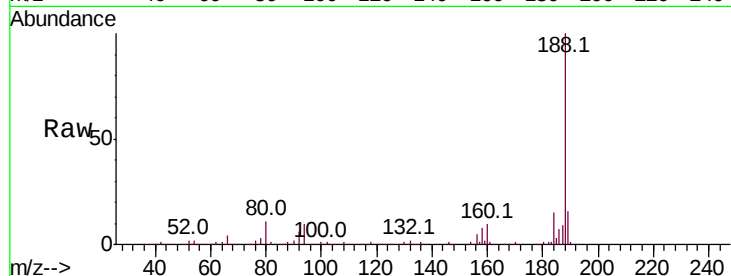




#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.38 min Scan# 1580  
 Delta R.T. -0.01 min  
 Lab File: BF119468.D  
 Acq: 20 Mar 2020 12:59

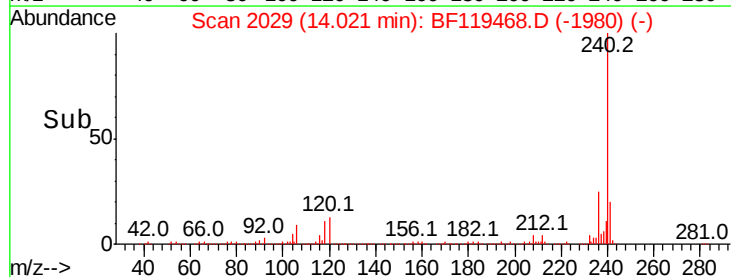
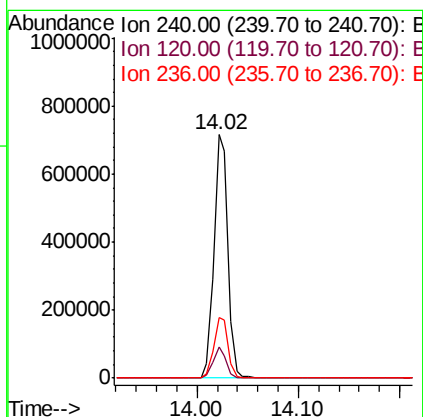
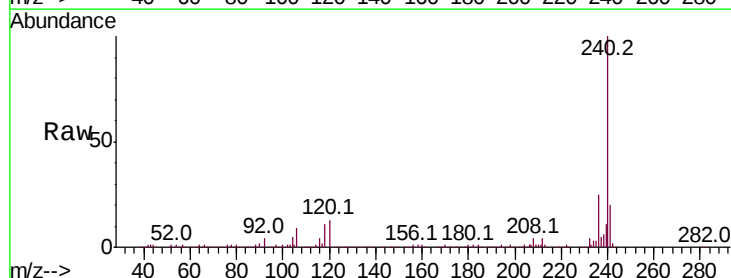
Instrument :  
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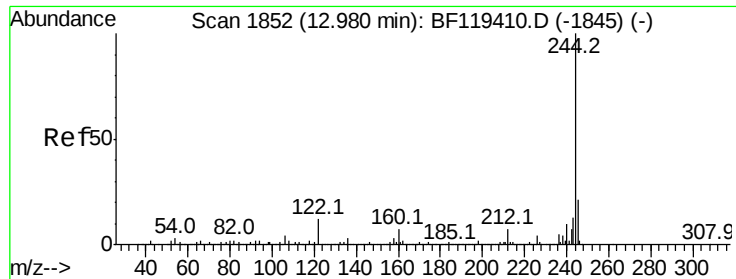
Tot Ion:188 Resp: 1144095  
 Ion Ratio Lower Upper  
 188 100  
 94 10.2 7.1 10.7  
 80 11.0 7.5 11.3



#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.02 min Scan# 2029  
 Delta R.T. -0.01 min  
 Lab File: BF119468.D  
 Acq: 20 Mar 2020 12:59

Tgt Ion:240 Resp: 679597  
 Ion Ratio Lower Upper  
 240 100  
 120 13.0 10.2 15.4  
 236 25.1 20.4 30.6



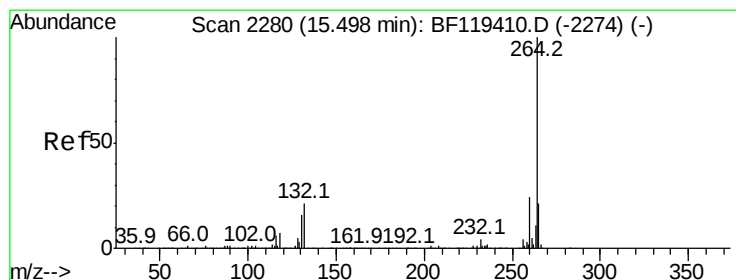
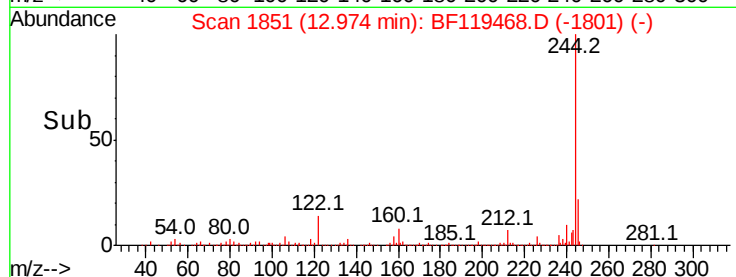
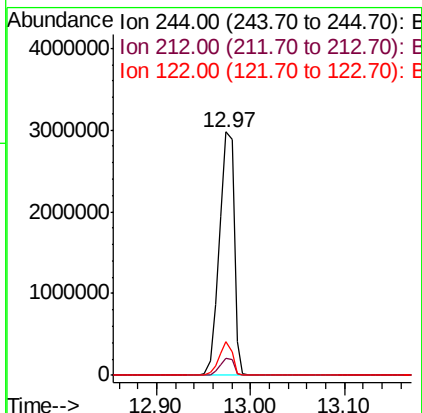
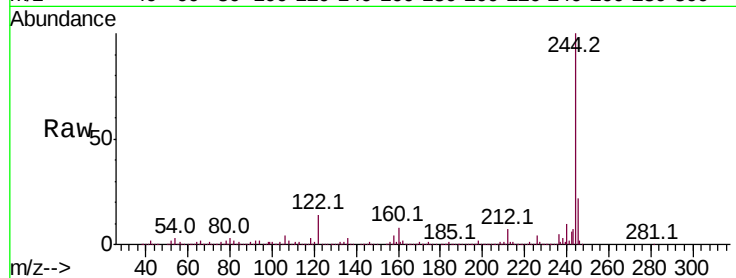


#79  
 Terphenyl-d14  
 Concen: 95.153 ng  
 RT: 12.97 min Scan# 1851  
 Delta R.T. -0.01 min  
 Lab File: BF119468.D  
 Acq: 20 Mar 2020 12:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB127698BL

Tot Ion:244 Resp: 3300585  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.2   | 5.7   | 8.5   |
| 122 | 13.9  | 9.8   | 14.8  |



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.50 min Scan# 2280  
 Delta R.T. -0.00 min  
 Lab File: BF119468.D  
 Acq: 20 Mar 2020 12:59

Tgt Ion:264 Resp: 663107  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.8  | 19.2  | 28.8  |
| 265 | 21.8  | 16.9  | 25.3  |

