

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070920\  
 Data File : BF120807.D  
 Acq On : 9 Jul 2020 9:39  
 Operator : JU/CG  
 Sample : PB129955BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB129955BL

Quant Time: Jul 09 11:40:33 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 02 18:51:52 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.85  | 152  | 149808   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.13  | 136  | 550356   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.88  | 164  | 264942   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.37 | 188  | 463839   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 14.00 | 240  | 316593   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.46 | 264  | 279009   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.46  | 112  | 1184476  | 122.05 | ng    | 0.00     |
| 7) Phenol-d6                | 6.47  | 99   | 1415766  | 114.24 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.41  | 82   | 886022   | 93.27  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.67 | 330  | 340489   | 127.92 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.21  | 172  | 1461392  | 83.45  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.96 | 244  | 1586926  | 98.14  | ng    | 0.00     |

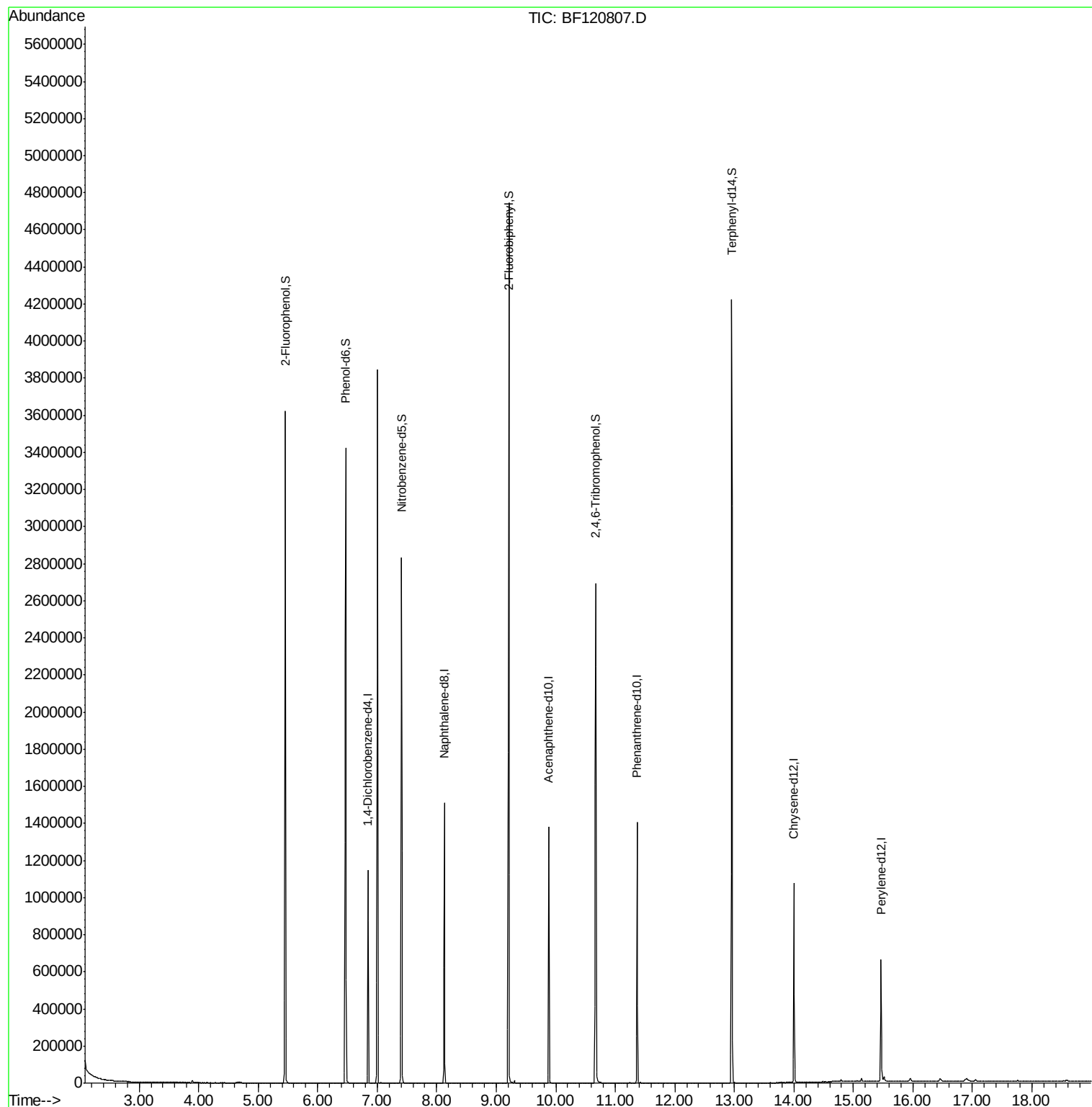
Target Compounds Qvalue

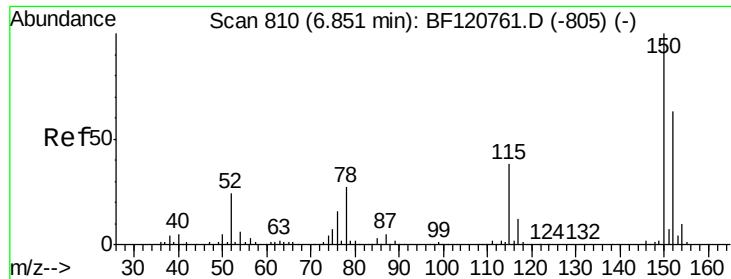
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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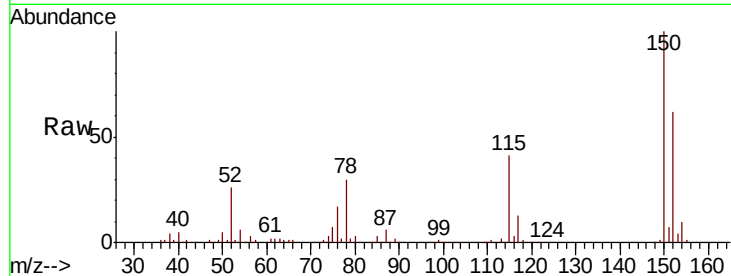




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.85 min Scan# 809  
 Delta R.T. -0.01 min  
 Lab File: BF120807.D  
 Acq: 9 Jul 2020 9:39

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB129955BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 160.2 | 126.1 | 189.1 |
| 115     | 65.8  | 48.5  | 72.7  |

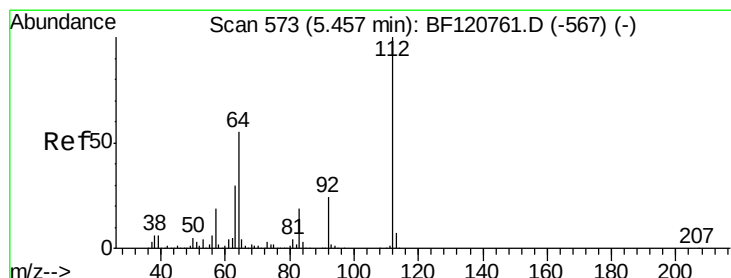
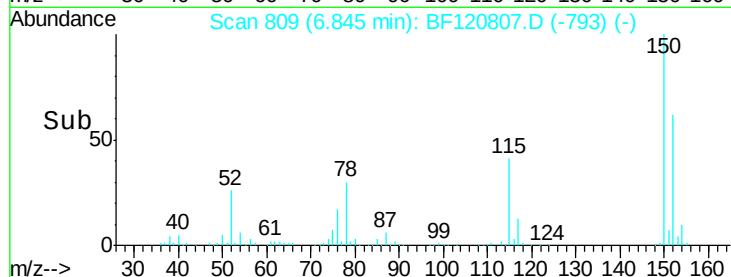
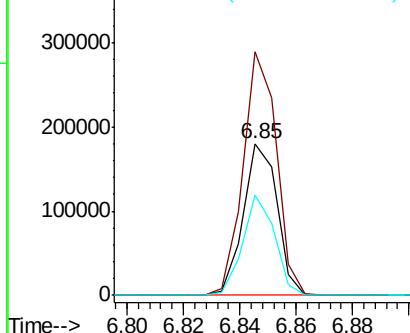


Abundance

Ion 152.00 (151.70 to 152.70): E

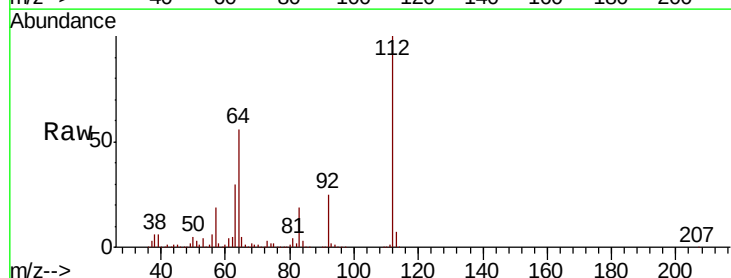
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5  
 2-Fluorophenol  
 Concen: 122.051 ng  
 RT: 5.46 min Scan# 573  
 Delta R.T. 0.00 min  
 Lab File: BF120807.D  
 Acq: 9 Jul 2020 9:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 55.6  | 43.8  | 65.6  |
| 63      | 29.9  | 23.6  | 35.4  |

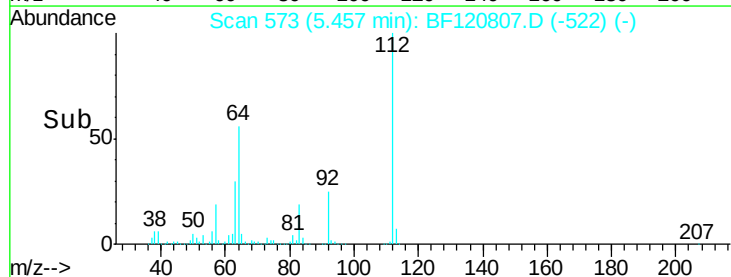
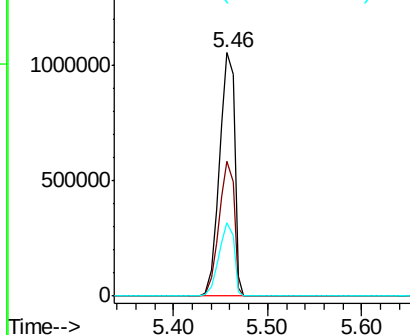


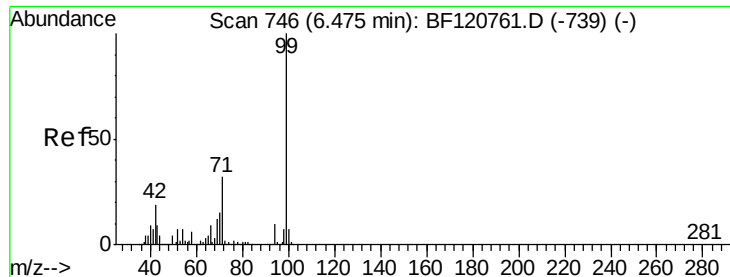
Abundance

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: 114.235 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.00 min

Lab File: BF120807.D

Acq: 9 Jul 2020 9:39

Instrument :

BNA\_F

ClientSampleId :

PB129955BL

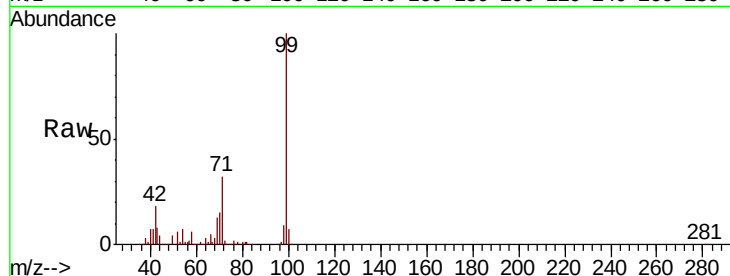
Tot Ion: 99 Resp: 1415766

Ion Ratio Lower Upper

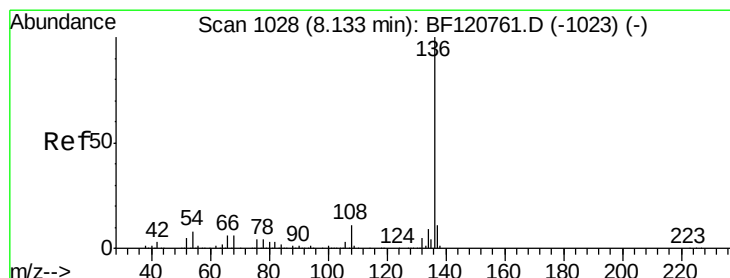
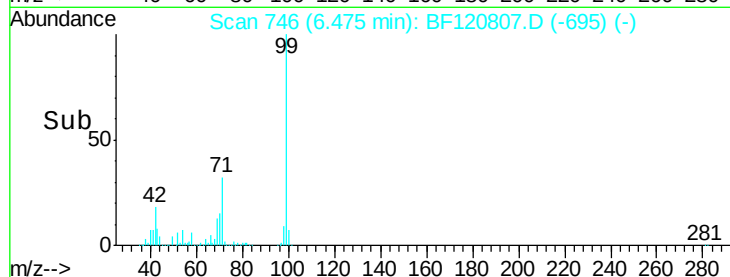
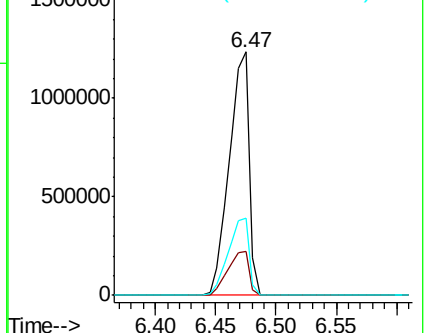
99 100

42 18.0 15.4 23.0

71 31.8 25.9 38.9



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: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF120807.D

Acq: 9 Jul 2020 9:39

Tgt Ion: 136 Resp: 550356

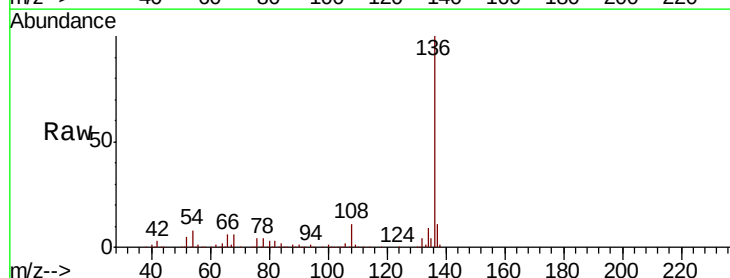
Ion Ratio Lower Upper

136 100

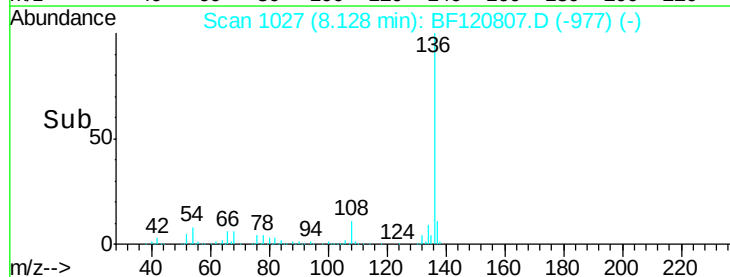
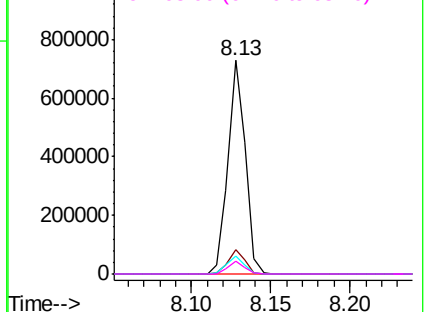
137 11.3 9.0 13.6

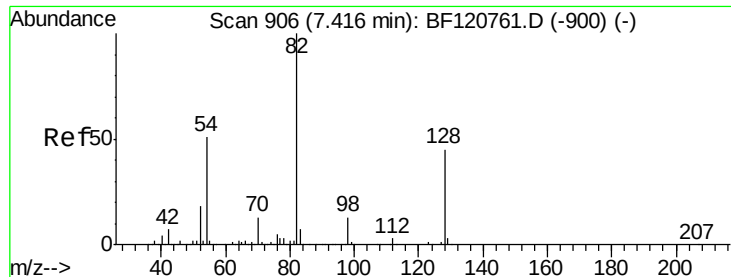
54 8.2 6.2 9.4

68 5.9 4.7 7.1



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

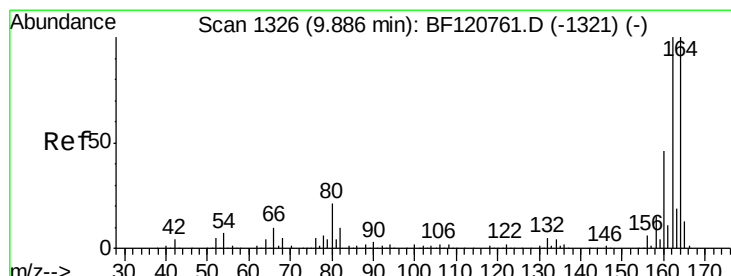
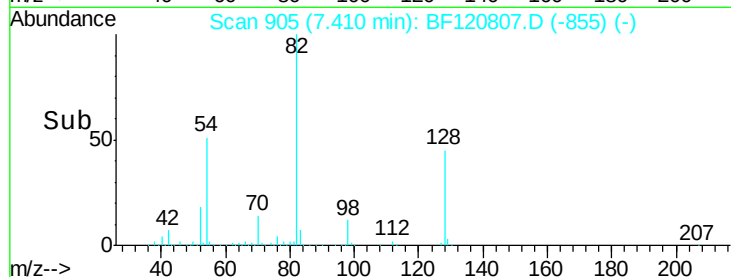
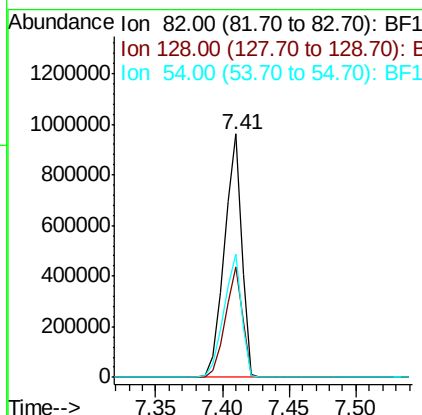
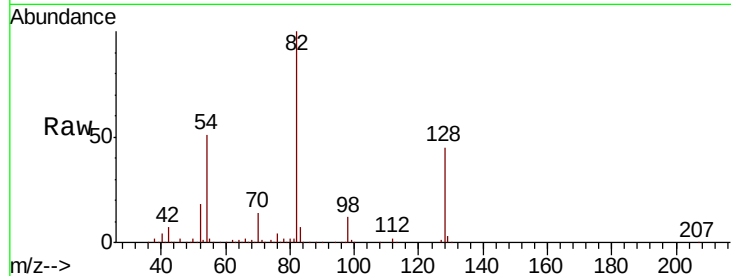




#23  
Nitrobenzene-d5  
Concen: 93.274 ng  
RT: 7.41 min Scan# 905  
Delta R.T. -0.01 min  
Lab File: BF120807.D  
Acq: 9 Jul 2020 9:39

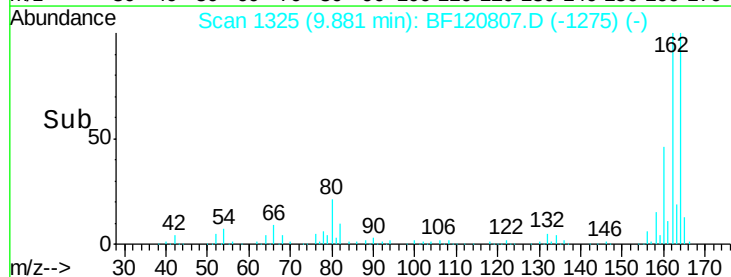
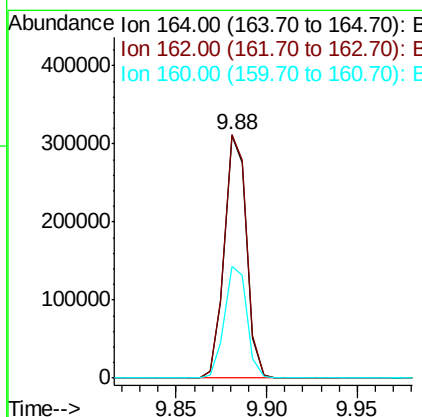
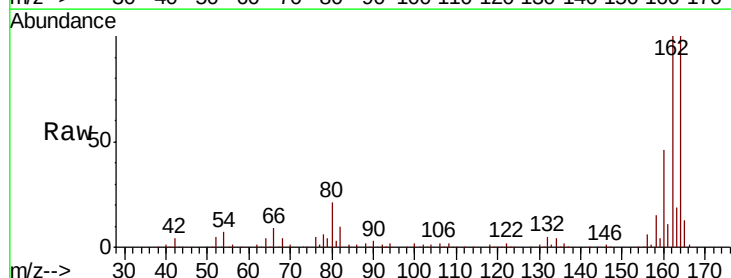
Instrument :  
BNA\_F  
ClientSampleId :  
PB129955BL

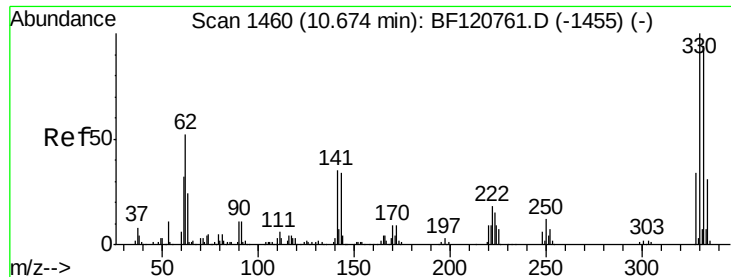
| Tot Ion   | 82    | Resp  | 886022 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 45.3  | 35.7  | 53.5   |
| 54        | 50.7  | 40.9  | 61.3   |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.88 min Scan# 1325  
Delta R.T. -0.01 min  
Lab File: BF120807.D  
Acq: 9 Jul 2020 9:39

| Tgt Ion   | 164   | Resp  | 264942 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 100.4 | 80.2  | 120.2  |
| 160       | 46.1  | 36.9  | 55.3   |





#42

2,4,6-Tribromophenol

Concen: 127.920 ng

RT: 10.67 min Scan# 1460

Delta R.T. 0.00 min

Lab File: BF120807.D

Acq: 9 Jul 2020 9:39

Instrument :

BNA\_F

ClientSampleId :

PB129955BL

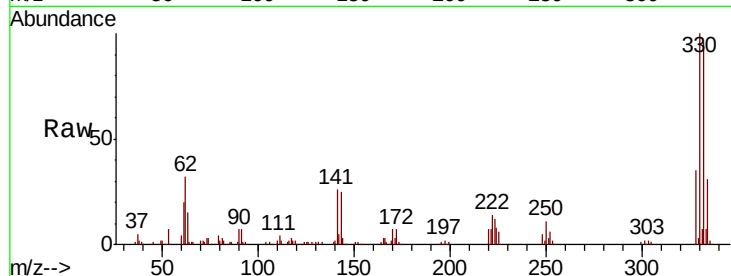
Tot Ion:330 Resp: 340489

Ion Ratio Lower Upper

330 100

332 96.0 75.8 113.6

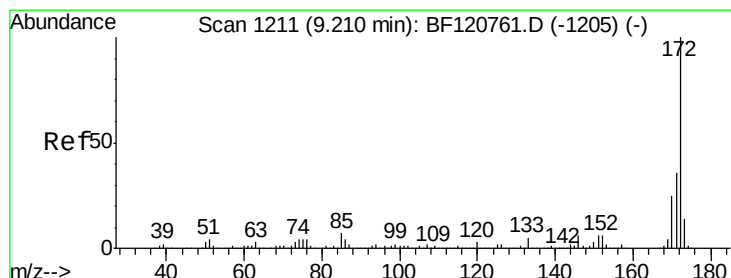
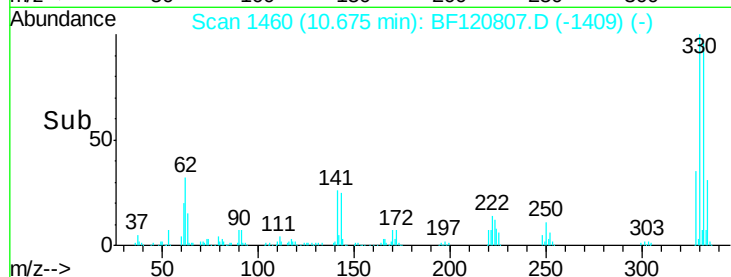
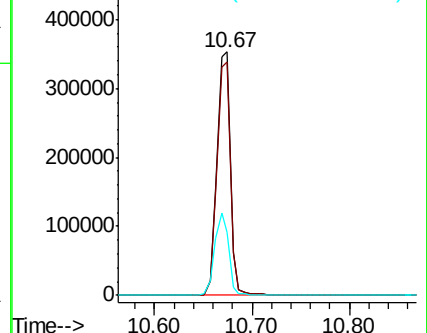
141 35.2 29.7 44.5



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: 83.452 ng

RT: 9.21 min Scan# 1211

Delta R.T. 0.00 min

Lab File: BF120807.D

Acq: 9 Jul 2020 9:39

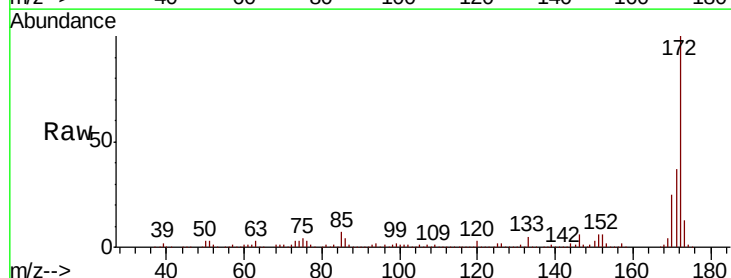
Tgt Ion:172 Resp: 1461392

Ion Ratio Lower Upper

172 100

171 36.8 29.1 43.7

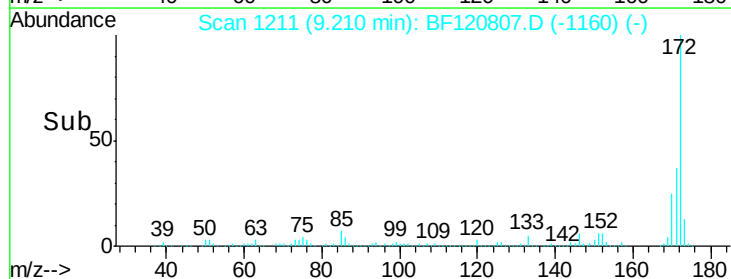
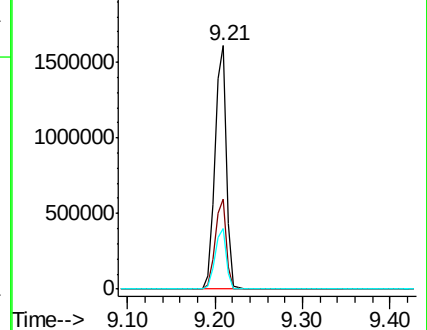
170 25.0 19.8 29.6

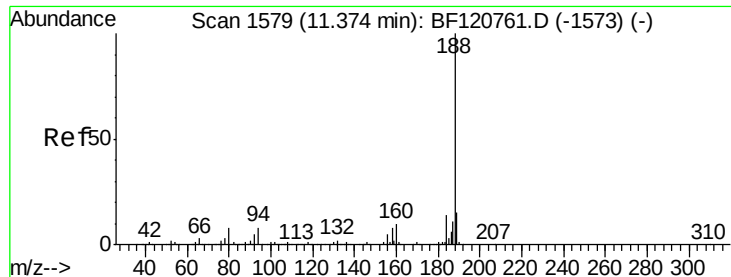


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

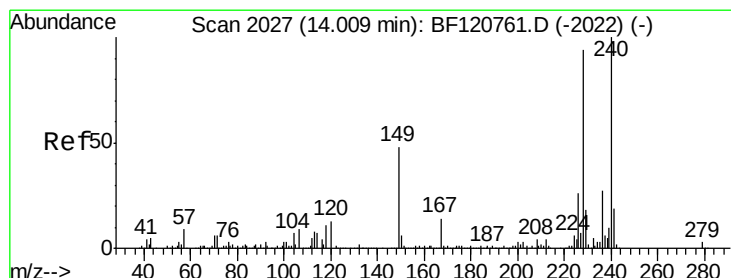
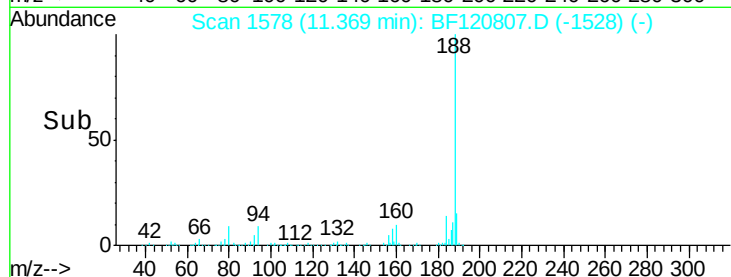
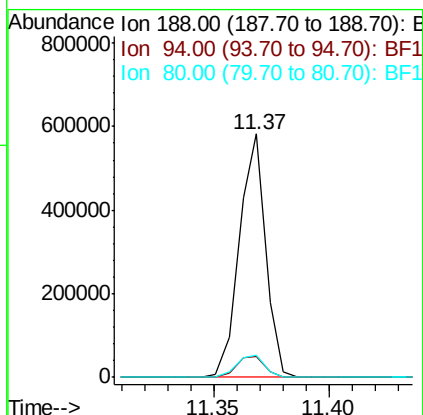
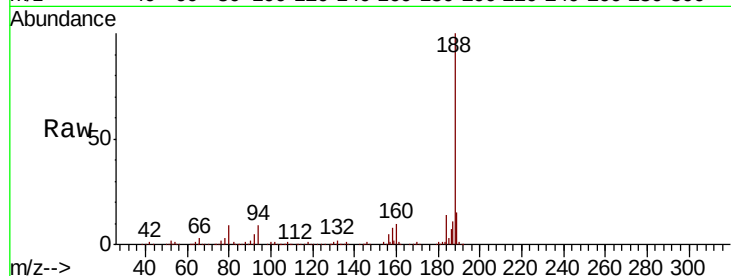




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.37 min Scan# 1578  
Delta R.T. -0.01 min  
Lab File: BF120807.D  
Acq: 9 Jul 2020 9:39

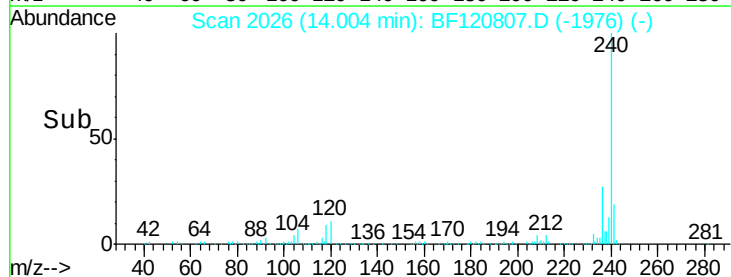
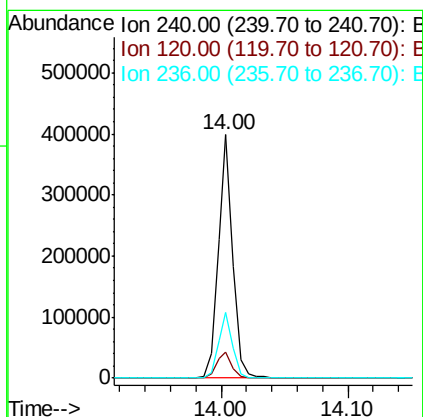
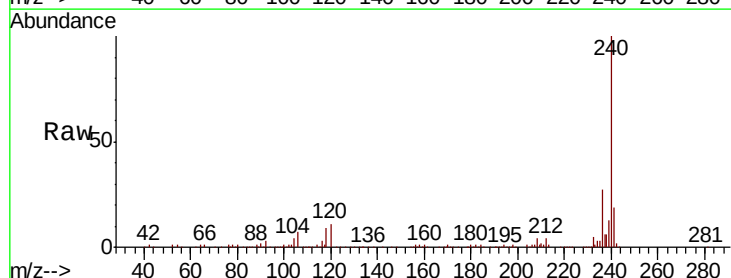
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BNA\_F  
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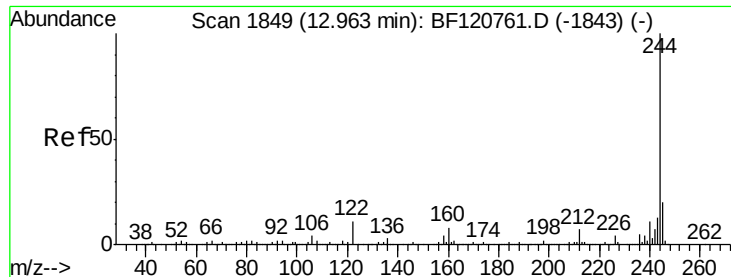
Tot Ion:188 Resp: 463839  
Ion Ratio Lower Upper  
188 100  
94 8.8 6.6 9.8  
80 9.1 6.6 10.0



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.00 min Scan# 2026  
Delta R.T. -0.01 min  
Lab File: BF120807.D  
Acq: 9 Jul 2020 9:39

Tgt Ion:240 Resp: 316593  
Ion Ratio Lower Upper  
240 100  
120 10.6 10.3 15.5  
236 26.8 21.4 32.2



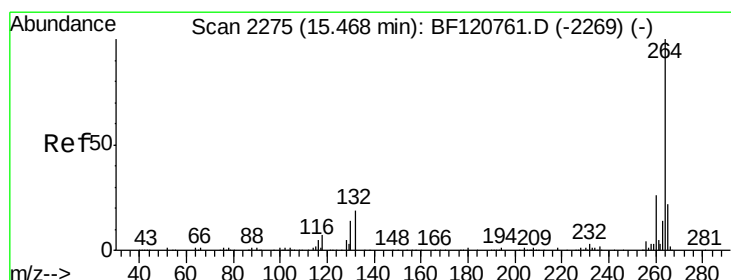
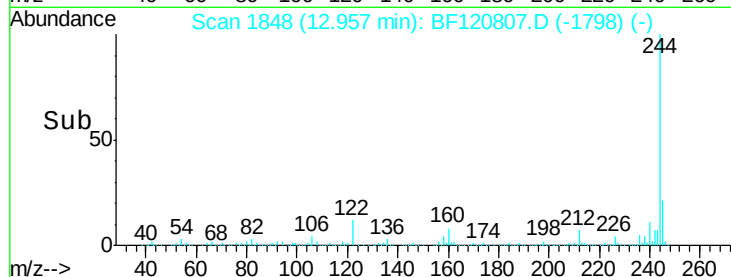
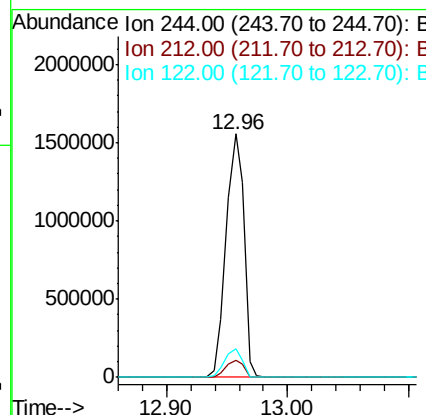
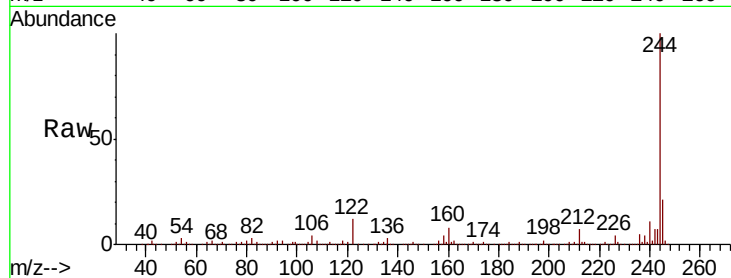


#79  
 Terphenyl-d14  
 Concen: 98.139 ng  
 RT: 12.96 min Scan# 1848  
 Delta R.T. -0.01 min  
 Lab File: BF120807.D  
 Acq: 9 Jul 2020 9:39

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB129955BL

Tot Ion:244 Resp: 1586926  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.1   | 5.6   | 8.4   |
| 122 | 11.5  | 9.0   | 13.4  |



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.46 min Scan# 2274  
 Delta R.T. -0.01 min  
 Lab File: BF120807.D  
 Acq: 9 Jul 2020 9:39

Tgt Ion:264 Resp: 279009  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.0  | 20.6  | 30.8  |
| 265 | 21.7  | 17.6  | 26.4  |

