

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\  
 Data File : BF110142.D  
 Acq On : 25 Oct 2018 4:37  
 Operator : JU/SJ  
 Sample : J5640-10  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 102218-TIPC-E-U-S

Quant Time: Oct 25 09:21:42 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 25 02:28:50 2018  
 Response via : Initial Calibration

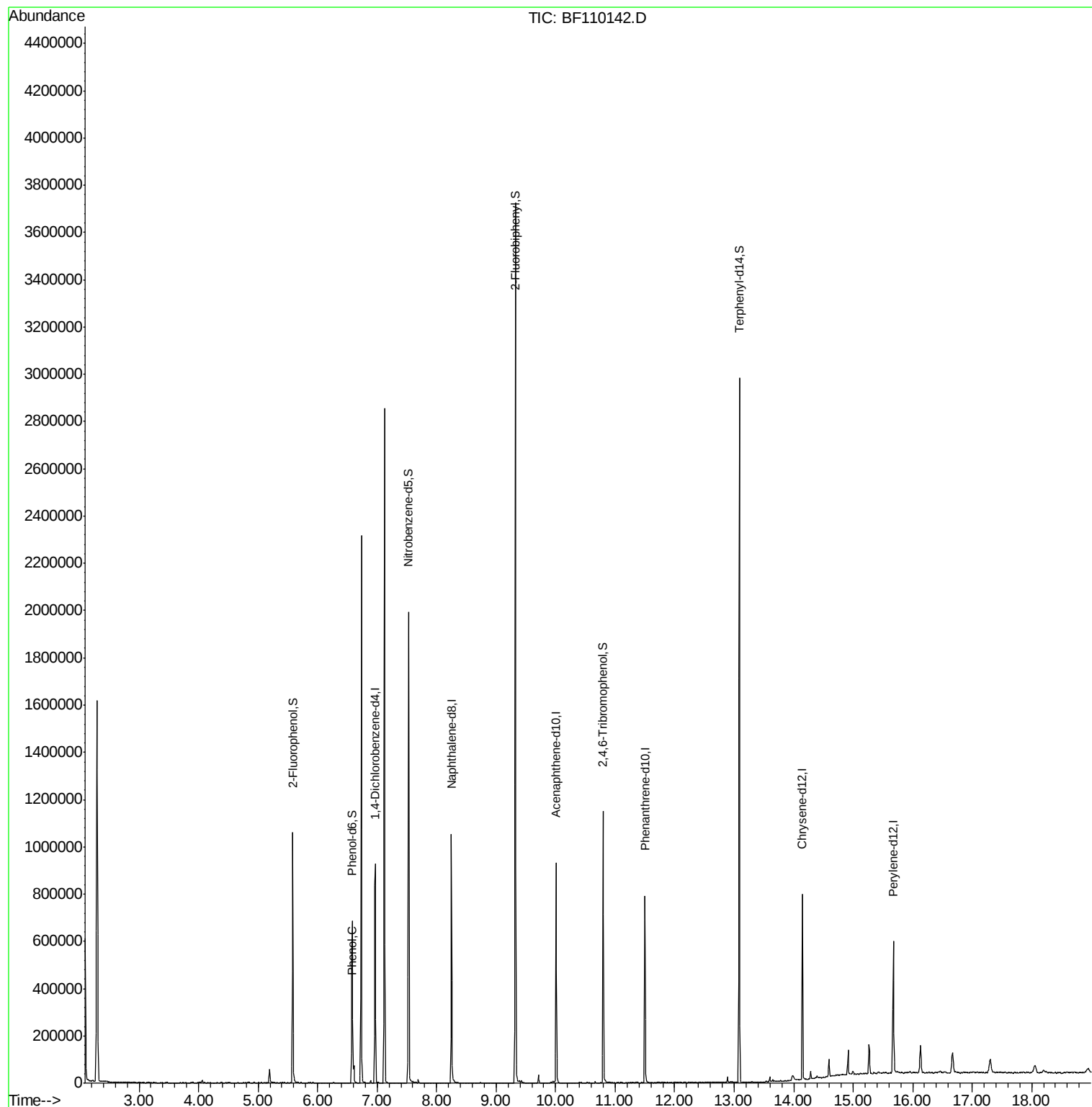
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.97  | 152  | 133035   | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 8.25  | 136  | 473493   | 20.00  | ng    | 0.00           |
| 39) Acenaphthene-d10        | 10.01 | 164  | 177820   | 20.00  | ng    | 0.00           |
| 64) Phenanthrene-d10        | 11.50 | 188  | 294200   | 20.00  | ng    | 0.00           |
| 76) Chrysene-d12            | 14.15 | 240  | 281708   | 20.00  | ng    | 0.00           |
| 87) Perylene-d12            | 15.67 | 264  | 200848   | 20.00  | ng    | 0.00           |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.58  | 112  | 289962   | 35.49  | ng    | 0.00           |
| 7) Phenol-d6                | 6.58  | 99   | 209766   | 20.07  | ng    | 0.00           |
| 23) Nitrobenzene-d5         | 7.53  | 82   | 716385   | 89.74  | ng    | 0.00           |
| 42) 2,4,6-Tribromophenol    | 10.80 | 330  | 126158   | 71.62  | ng    | 0.00           |
| 45) 2-Fluorobiphenyl        | 9.33  | 172  | 1169018  | 103.23 | ng    | 0.00           |
| 79) Terphenyl-d14           | 13.09 | 244  | 964213   | 71.18  | ng    | 0.00           |
| Target Compounds            |       |      |          |        |       |                |
| 10) Phenol                  | 6.59  | 94   | 25036    | 2.241  | ng    | Qvalue<br># 68 |

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

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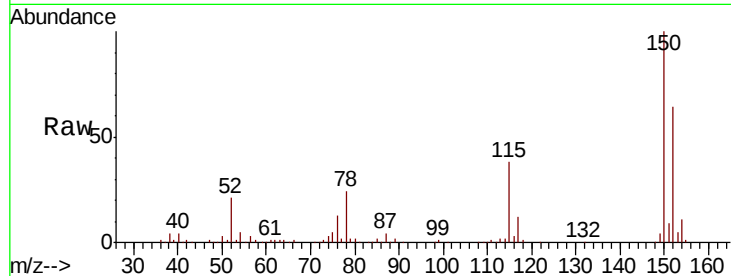


#1

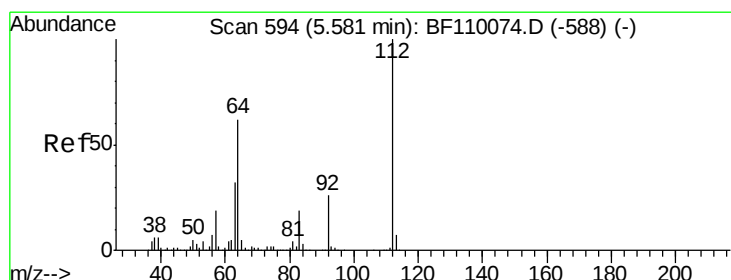
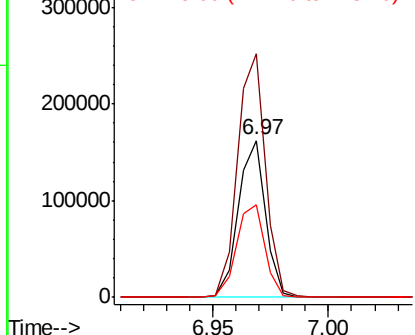
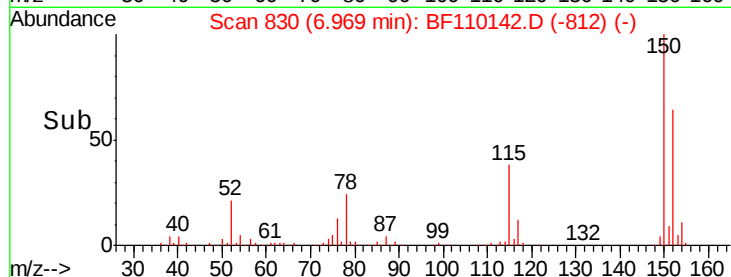
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.97 min Scan# 830  
Delta R.T. 0.01 min  
Lab File: BF110142.D  
Acq: 25 Oct 2018 4:37

Instrument :  
BNA\_F  
ClientSampleId :  
102218-TIPC-E-U-S

Tot Ion:152 Resp: 133035  
Ion Ratio Lower Upper  
152 100  
150 155.3 122.7 184.1  
115 59.0 49.1 73.7



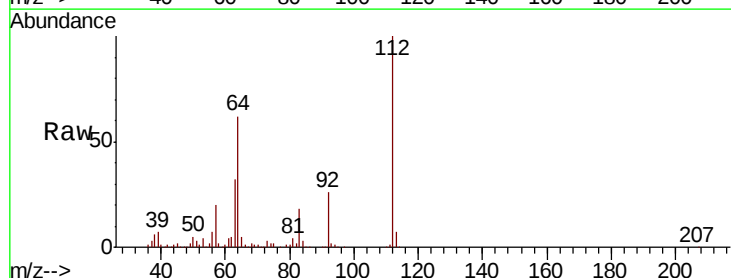
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



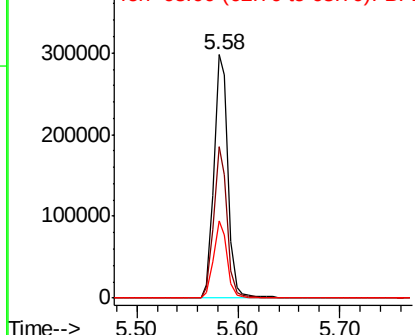
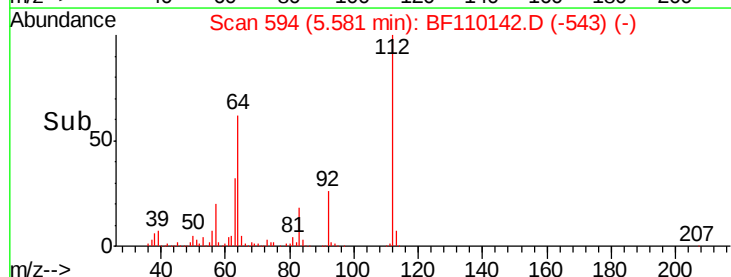
#5

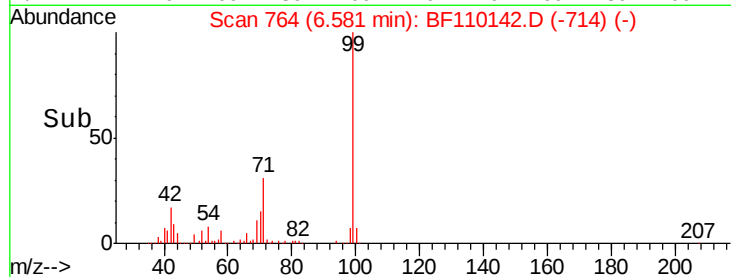
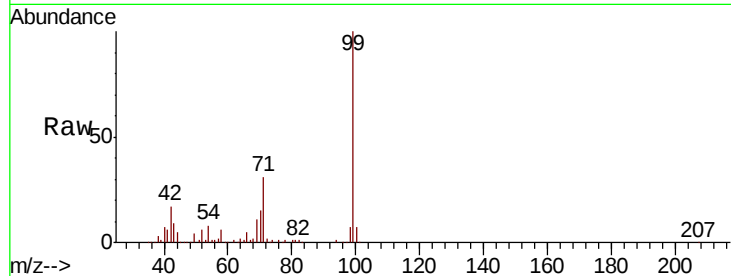
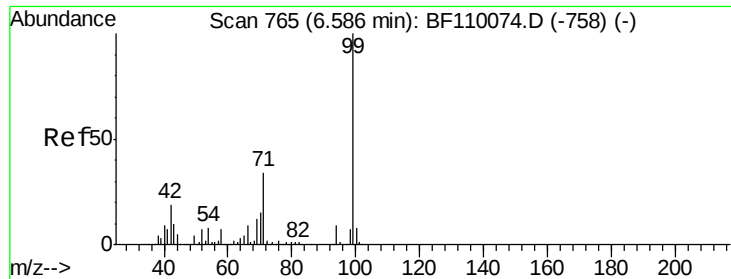
2-Fluorophenol  
Concen: 35.494 ng  
RT: 5.58 min Scan# 594  
Delta R.T. -0.00 min  
Lab File: BF110142.D  
Acq: 25 Oct 2018 4:37

Tgt Ion:112 Resp: 289962  
Ion Ratio Lower Upper  
112 100  
64 62.4 44.1 66.1  
63 31.6 23.7 35.5



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: 20.075 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF110142.D

Acq: 25 Oct 2018 4:37

Instrument :

BNA\_F

ClientSampleId :

102218-TIPC-E-U-S

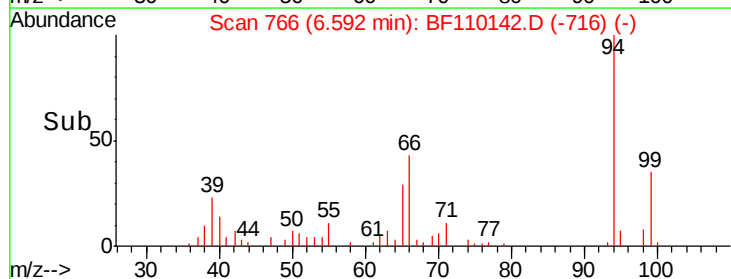
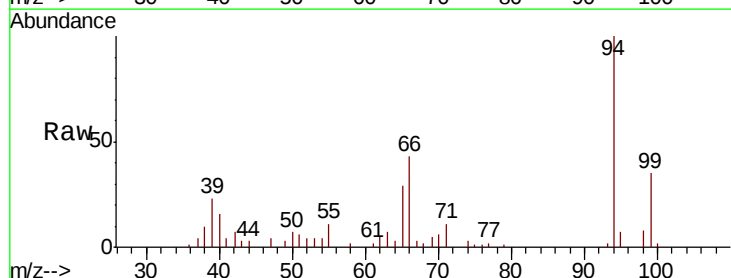
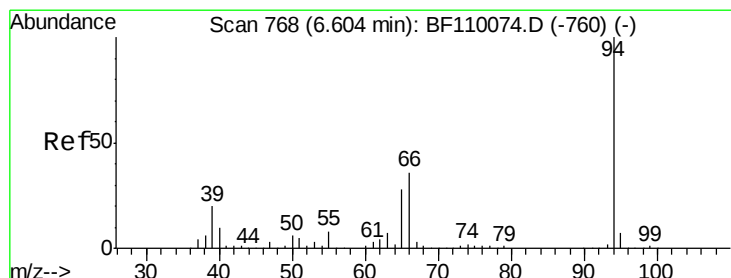
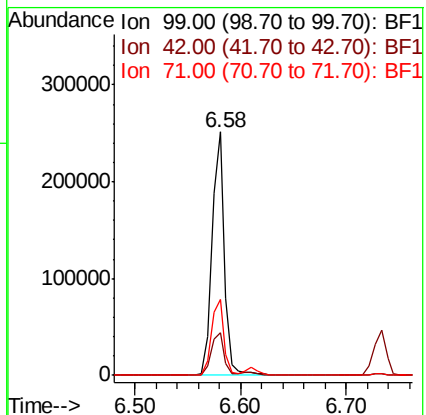
Tot Ion: 99 Resp: 209766

Ion Ratio Lower Upper

99 100

42 17.5 15.8 23.6

71 31.3 28.0 42.0



#10

Phenol

Concen: 2.241 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF110142.D

Acq: 25 Oct 2018 4:37

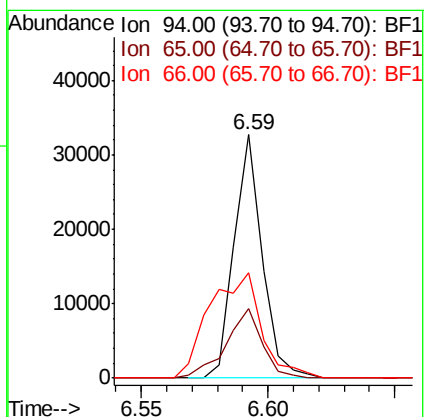
Tgt Ion: 94 Resp: 25036

Ion Ratio Lower Upper

94 100

65 28.6 25.3 65.3

66 43.3 54.5 94.5#

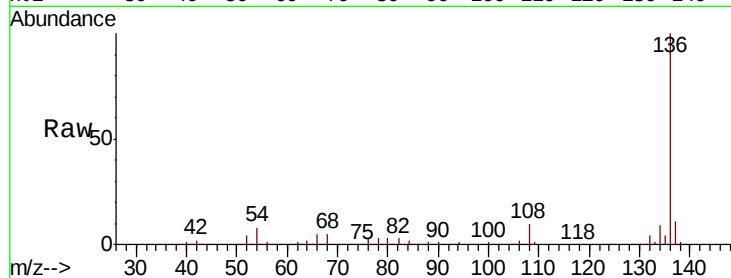




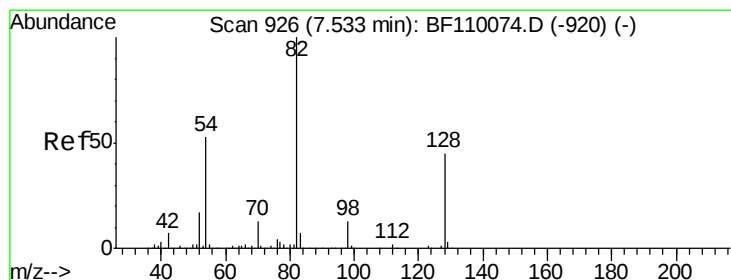
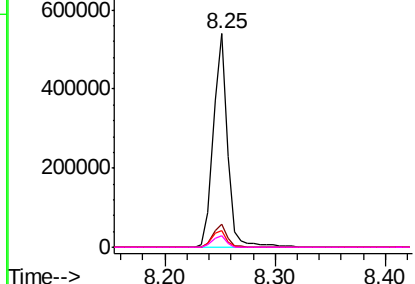
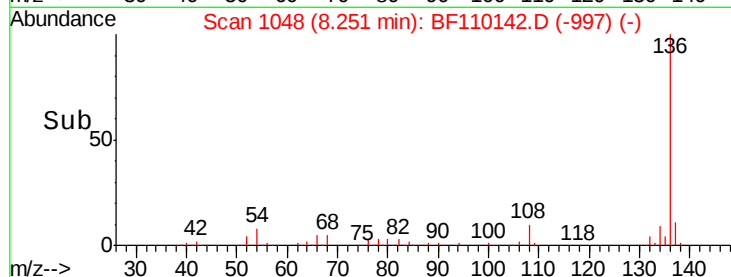
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.25 min Scan# 1048  
Delta R.T. -0.00 min  
Lab File: BF110142.D  
Acq: 25 Oct 2018 4:37

Instrument :  
BNA\_F  
ClientSampleId :  
102218-TIPC-E-U-S

|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 473493   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 10.7  | 8.8 13.2 |
| 54          | 7.6   | 5.4 8.2  |
| 68          | 5.3   | 4.2 6.2  |

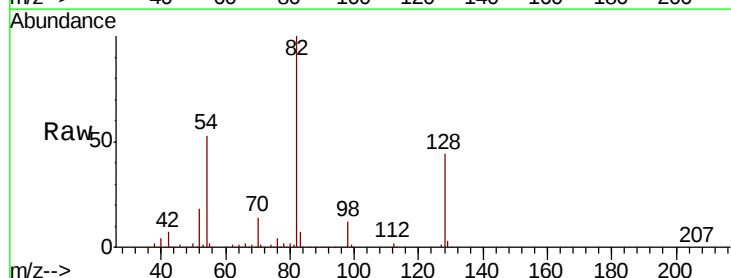


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

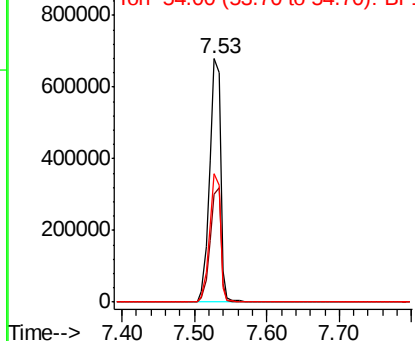
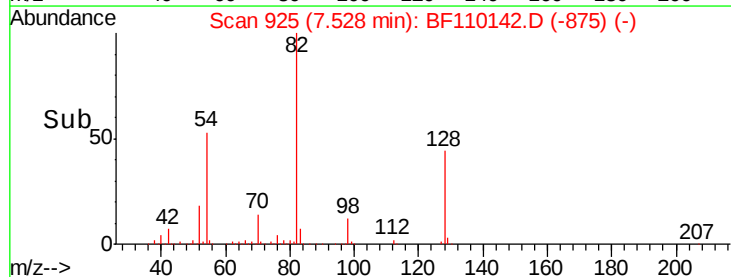


#23  
Nitrobenzene-d5  
Concen: 89.740 ng  
RT: 7.53 min Scan# 925  
Delta R.T. -0.01 min  
Lab File: BF110142.D  
Acq: 25 Oct 2018 4:37

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 716385    |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 44.2  | 34.2 51.2 |
| 54          | 53.0  | 38.6 58.0 |



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.00 min

Lab File: BF110142.D

Acq: 25 Oct 2018 4:37

Instrument :

BNA\_F

ClientSampleId :

102218-TIPC-E-U-S

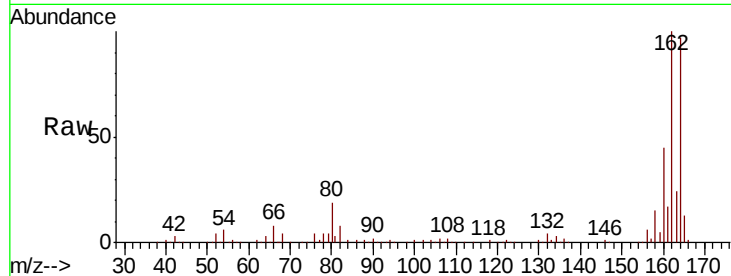
Tot Ion:164 Resp: 177820

Ion Ratio Lower Upper

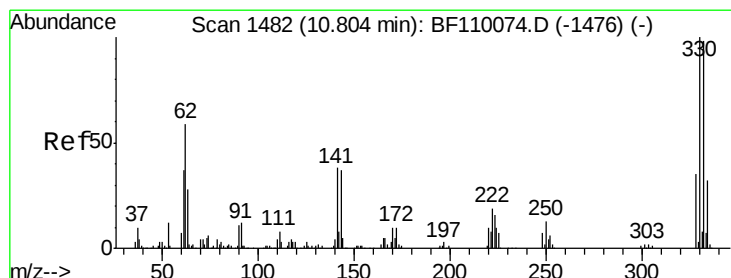
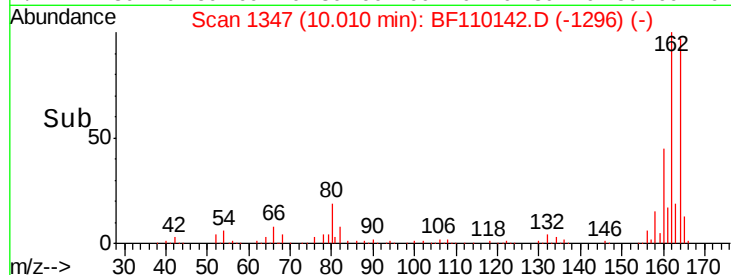
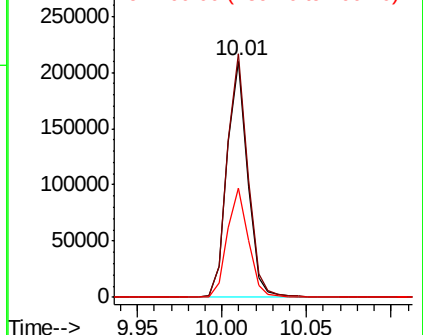
164 100

162 103.0 83.0 124.6

160 46.2 37.0 55.6



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



#42

2,4,6-Tribromophenol

Concen: 71.623 ng

RT: 10.80 min Scan# 1481

Delta R.T. -0.01 min

Lab File: BF110142.D

Acq: 25 Oct 2018 4:37

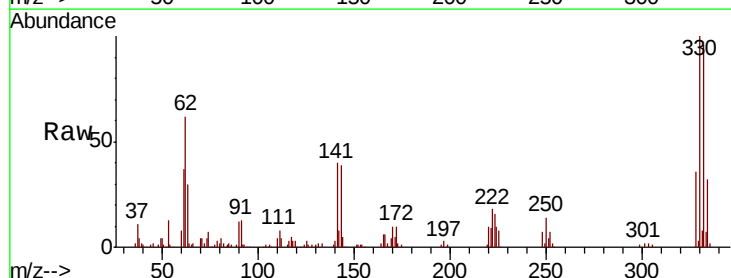
Tgt Ion:330 Resp: 126158

Ion Ratio Lower Upper

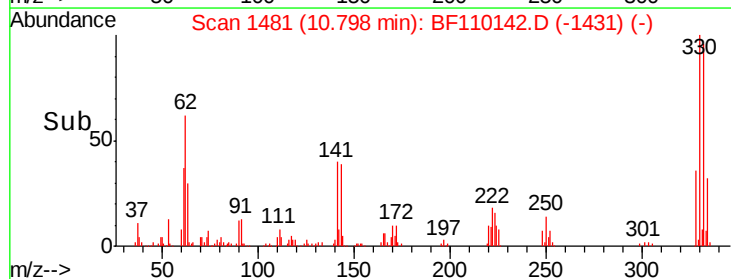
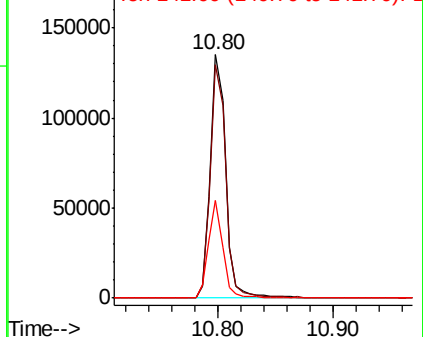
330 100

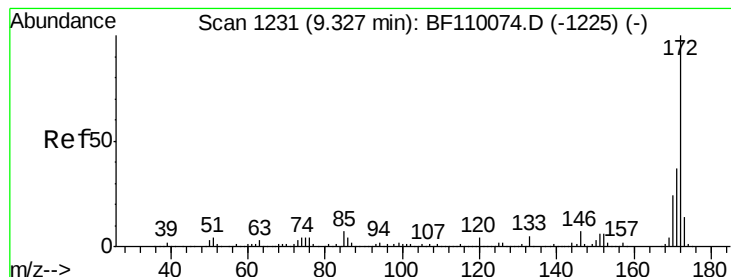
332 96.9 77.1 115.7

141 37.4 27.0 40.4



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



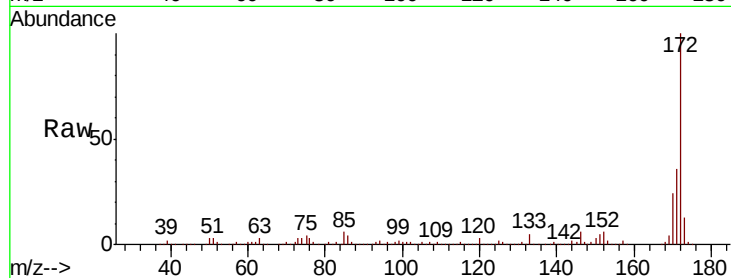


#45  
 2-Fluorobiphenyl  
 Concen: 103.231 ng  
 RT: 9.33 min Scan# 1231  
 Delta R.T. -0.00 min  
 Lab File: BF110142.D  
 Acq: 25 Oct 2018 4:37

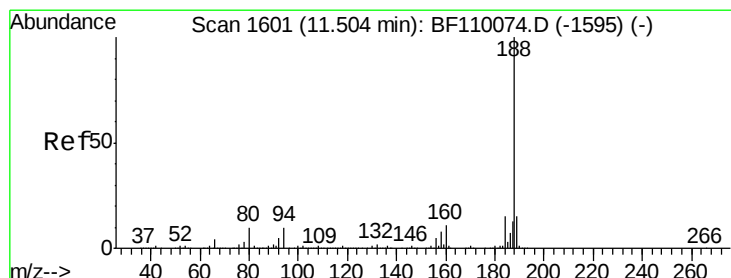
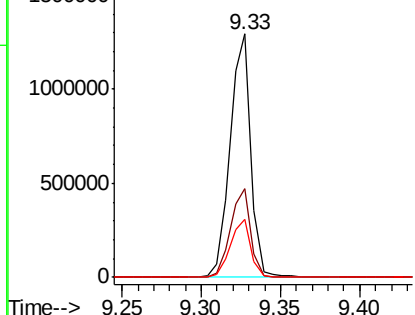
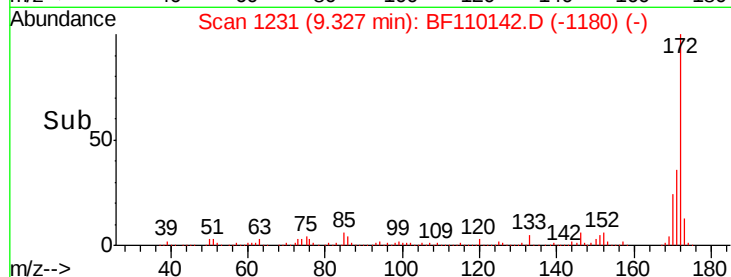
Instrument :  
 BNA\_F  
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 102218-TIPC-E-U-S

Tot Ion:172 Resp: 1169018  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 36.4  | 28.6  | 43.0  |
| 170 | 23.9  | 19.7  | 29.5  |



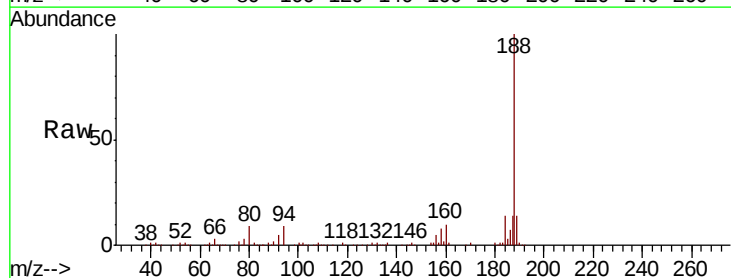
Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E



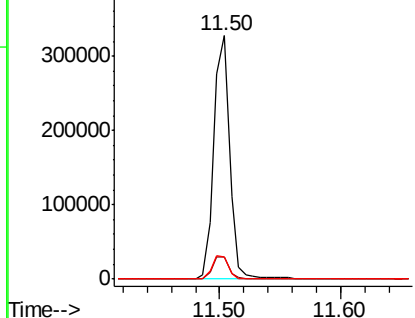
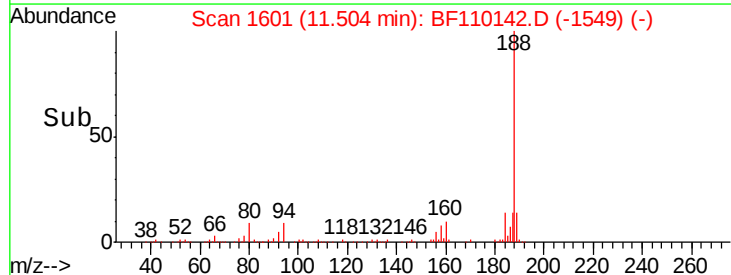
#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.50 min Scan# 1601  
 Delta R.T. 0.01 min  
 Lab File: BF110142.D  
 Acq: 25 Oct 2018 4:37

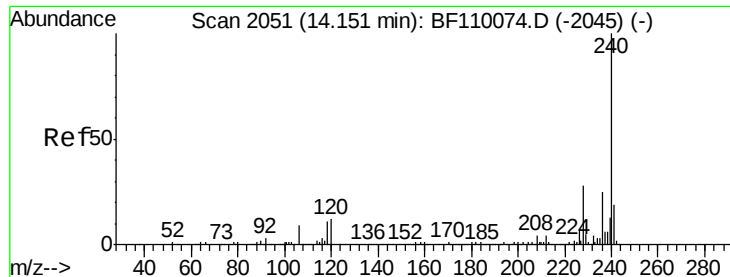
Tgt Ion:188 Resp: 294200  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 9.0   | 7.2   | 10.8  |
| 80  | 9.1   | 7.9   | 11.9  |



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

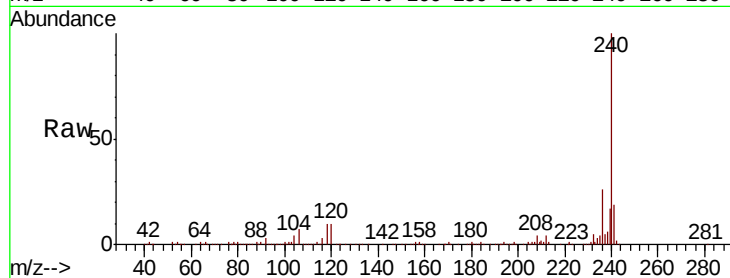




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.15 min Scan# 2051  
Delta R.T. -0.00 min  
Lab File: BF110142.D  
Acq: 25 Oct 2018 4:37

Instrument :  
BNA\_F  
ClientSampleId :  
102218-TIPC-E-U-S

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 10.5  | 8.3   | 12.5  |
| 236     | 26.1  | 21.2  | 31.8  |

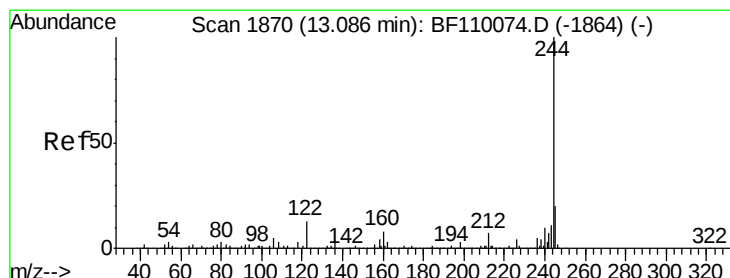
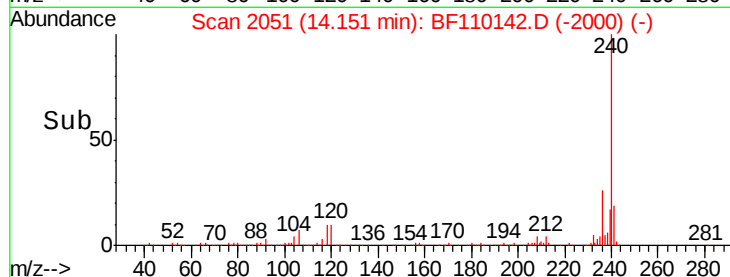
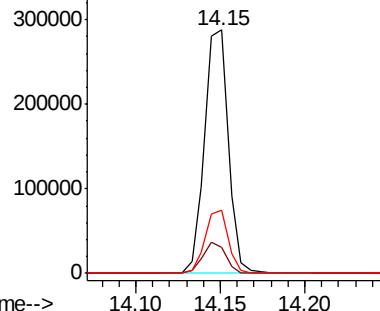


Abundance

Ion 240.00 (239.70 to 240.70): E

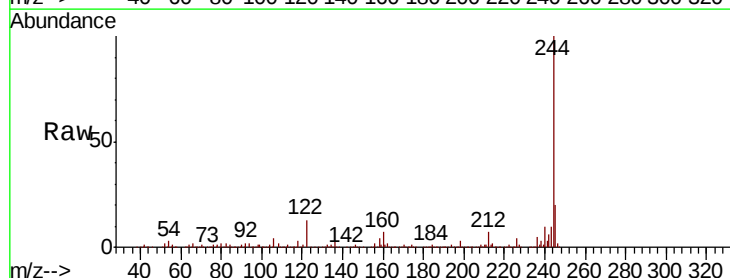
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#79  
Terphenyl-d14  
Concen: 71.183 ng  
RT: 13.09 min Scan# 1870  
Delta R.T. -0.00 min  
Lab File: BF110142.D  
Acq: 25 Oct 2018 4:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.8   | 5.8   | 8.8   |
| 122     | 12.6  | 8.7   | 13.1  |

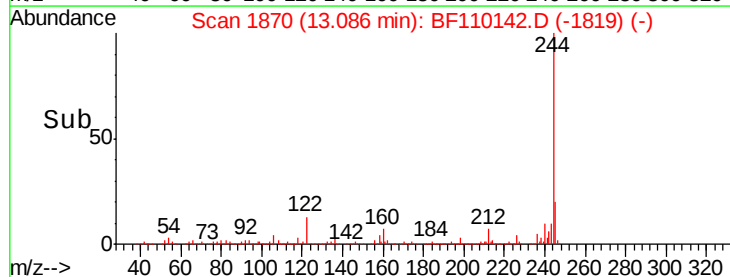
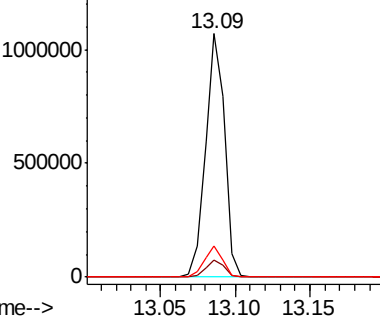


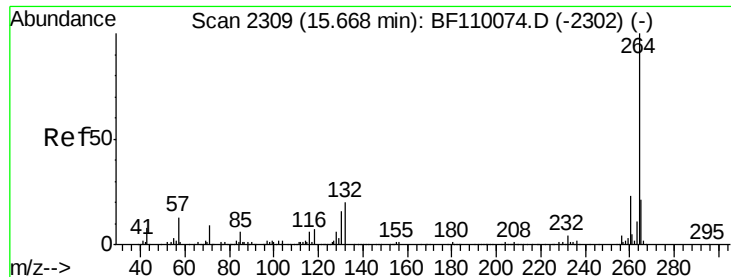
Abundance

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

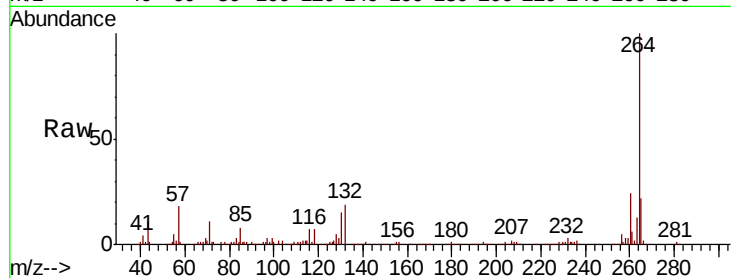




#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.67 min Scan# 2310  
Delta R.T. 0.01 min  
Lab File: BF110142.D  
Acq: 25 Oct 2018 4:37

Instrument :  
BNA\_F  
ClientSampleId :  
102218-TIPC-E-U-S

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.7  | 18.7  | 28.1  |
| 265     | 22.5  | 16.7  | 25.1  |



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

