

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\  
 Data File : BF110140.D  
 Acq On : 25 Oct 2018 3:42  
 Operator : JU/SJ  
 Sample : J5640-08  
 Misc :  
 ALS Vial : 37 Sample Multiplier: 1

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

Quant Time: Oct 25 09:19:27 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

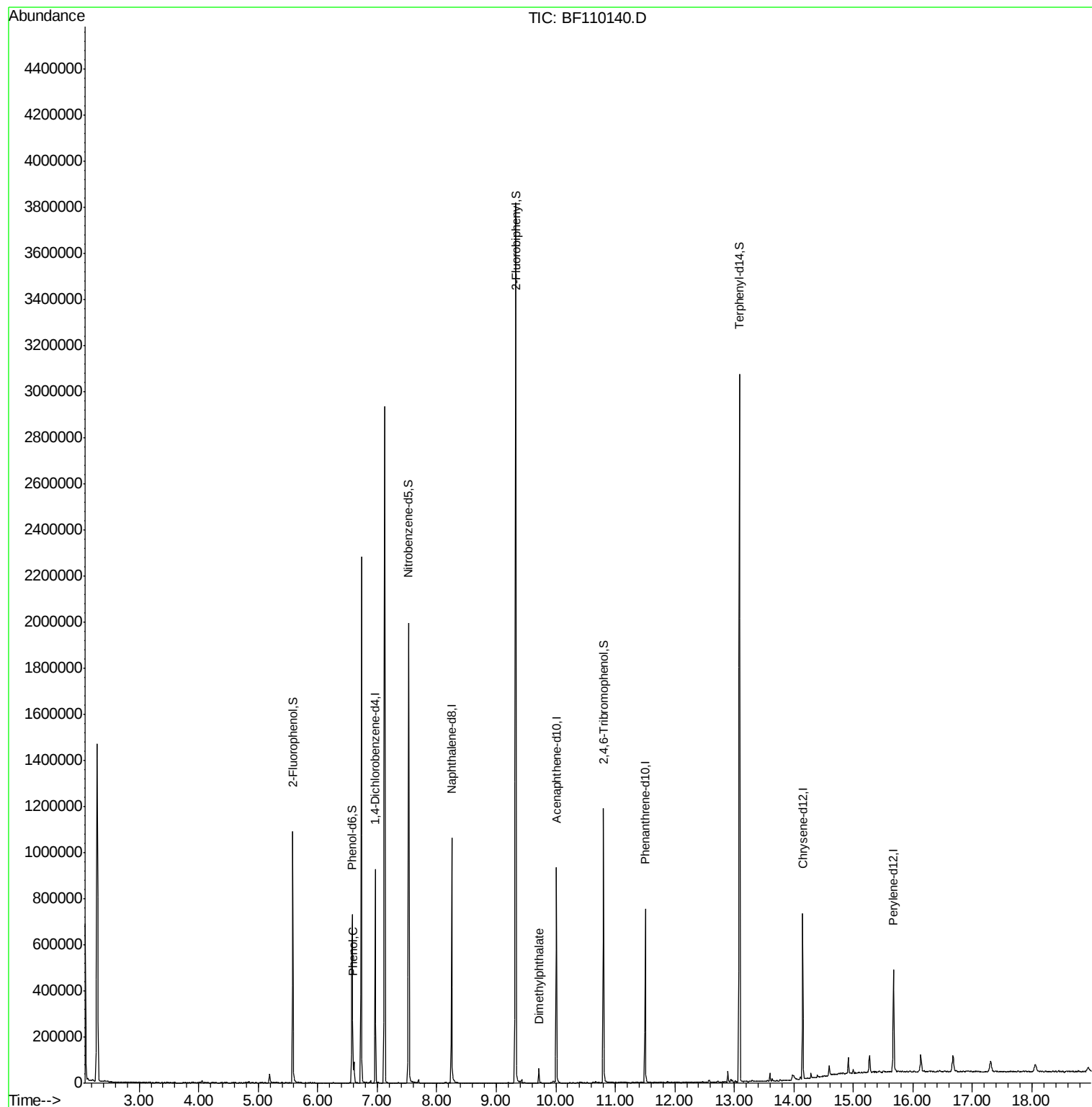
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|-----------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.97  | 152  | 132812   | 20.00  | ng    | 0.00        |
| 21) Naphthalene-d8          | 8.25  | 136  | 462974   | 20.00  | ng    | 0.00        |
| 39) Acenaphthene-d10        | 10.01 | 164  | 173803   | 20.00  | ng    | 0.00        |
| 64) Phenanthrene-d10        | 11.50 | 188  | 287597   | 20.00  | ng    | 0.00        |
| 76) Chrysene-d12            | 14.15 | 240  | 251585   | 20.00  | ng    | 0.00        |
| 87) Perylene-d12            | 15.67 | 264  | 166071   | 20.00  | ng    | 0.00        |
| System Monitoring Compounds |       |      |          |        |       |             |
| 5) 2-Fluorophenol           | 5.58  | 112  | 295181   | 36.19  | ng    | 0.00        |
| 7) Phenol-d6                | 6.58  | 99   | 217633   | 20.86  | ng    | 0.00        |
| 23) Nitrobenzene-d5         | 7.53  | 82   | 713388   | 91.39  | ng    | 0.00        |
| 42) 2,4,6-Tribromophenol    | 10.80 | 330  | 125679   | 73.00  | ng    | 0.00        |
| 45) 2-Fluorobiphenyl        | 9.33  | 172  | 1190243  | 107.53 | ng    | 0.00        |
| 79) Terphenyl-d14           | 13.09 | 244  | 990113   | 81.85  | ng    | 0.00        |
| Target Compounds            |       |      |          |        |       |             |
| 10) Phenol                  | 6.59  | 94   | 23706    | 2.126  | ng    | Qvalue # 64 |
| 50) Dimethylphthalate       | 9.72  | 163  | 26232    | 2.045  | ng    | # 97        |

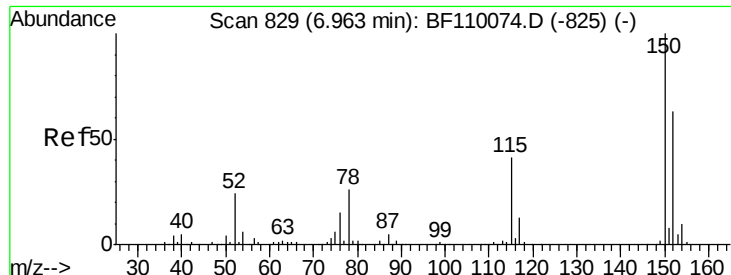
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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102218-TIPC-E-D-S

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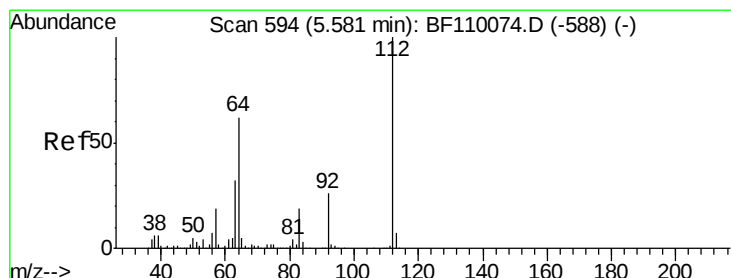
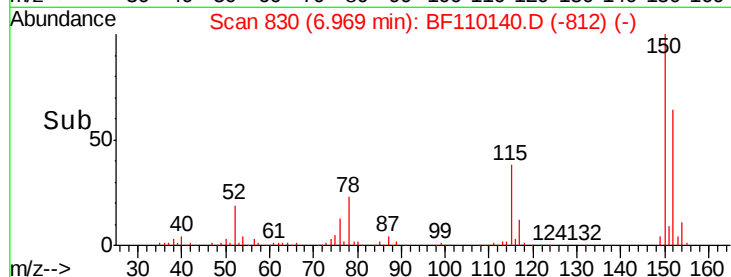
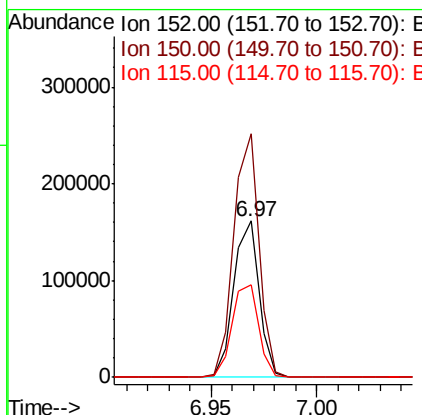
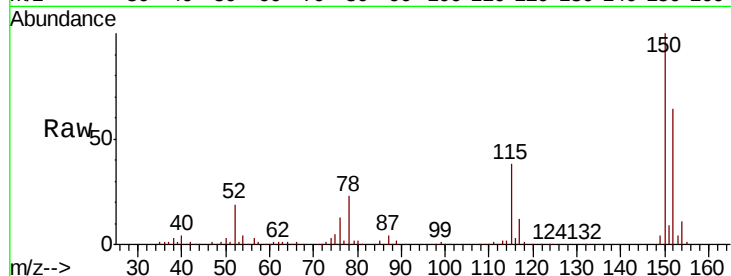


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.97 min Scan# 830  
Delta R.T. 0.01 min  
Lab File: BF110140.D  
Acq: 25 Oct 2018 3:42

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

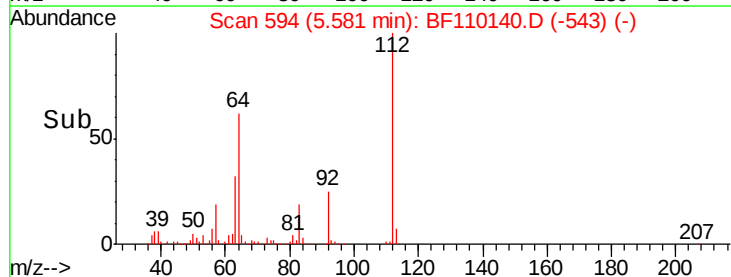
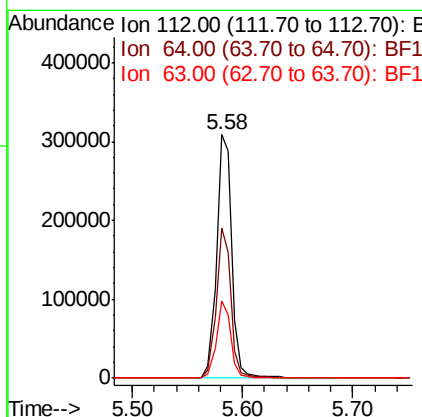
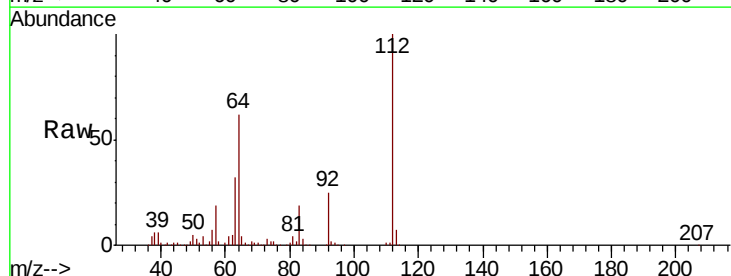
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.1 | 122.7 | 184.1 |
| 115     | 59.7  | 49.1  | 73.7  |

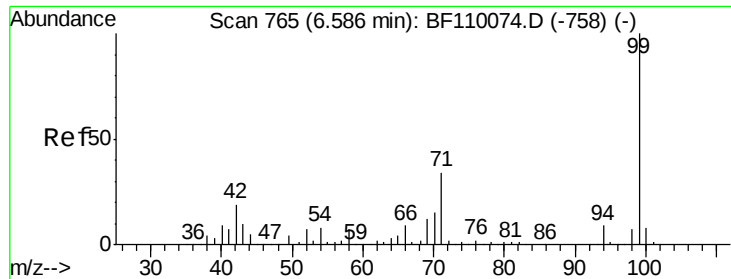


#5

2-Fluorophenol  
Concen: 36.193 ng  
RT: 5.58 min Scan# 594  
Delta R.T. 0.00 min  
Lab File: BF110140.D  
Acq: 25 Oct 2018 3:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 61.9  | 44.1  | 66.1  |
| 63      | 31.6  | 23.7  | 35.5  |





#7

Phenol-d6

Concen: 20.862 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF110140.D

Acq: 25 Oct 2018 3:42

Instrument :

BNA\_F

ClientSampleId :

102218-TIPC-E-D-S

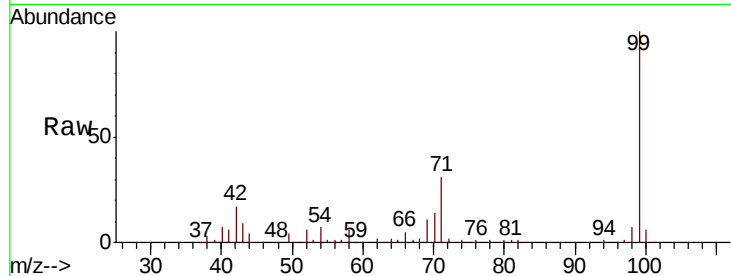
Tot Ion: 99 Resp: 217633

Ion Ratio Lower Upper

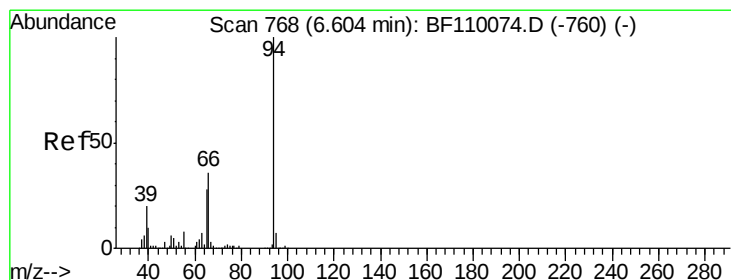
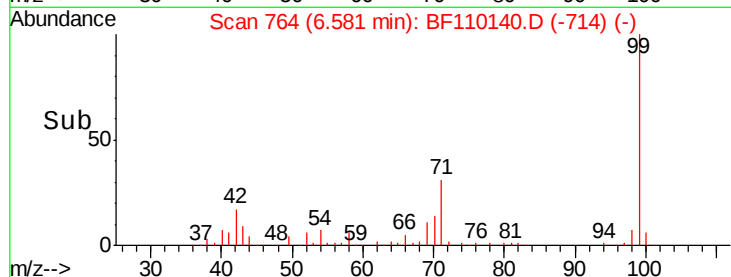
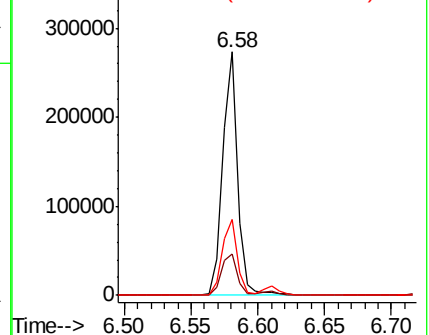
99 100

42 17.1 15.8 23.6

71 31.4 28.0 42.0



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



#10

Phenol

Concen: 2.126 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF110140.D

Acq: 25 Oct 2018 3:42

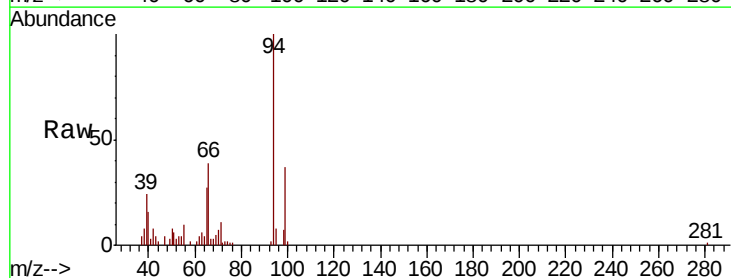
Tgt Ion: 94 Resp: 23706

Ion Ratio Lower Upper

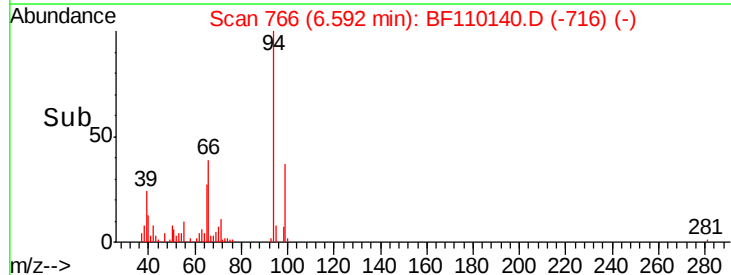
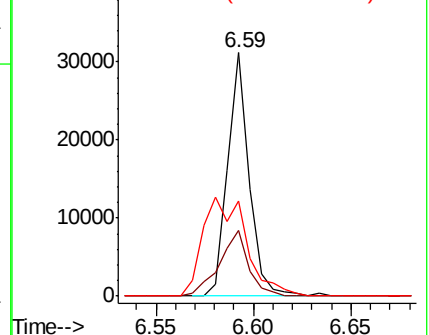
94 100

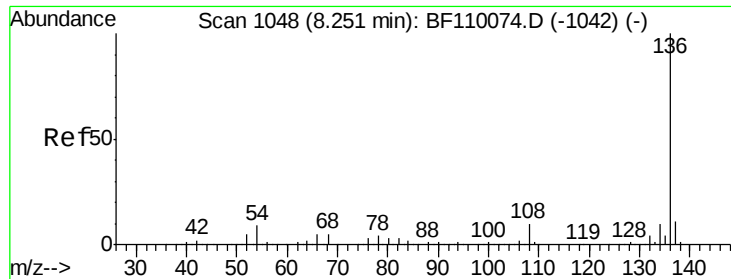
65 26.8 25.3 65.3

66 39.3 54.5 94.5#



Abundance Ion 94.00 (93.70 to 94.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1

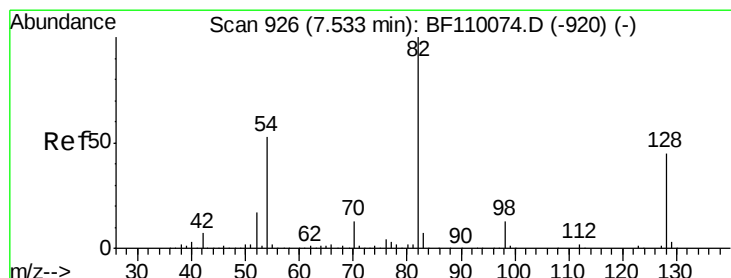
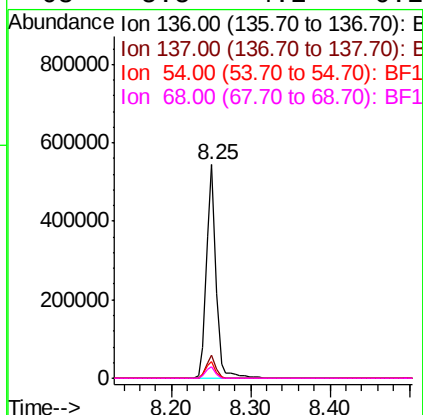
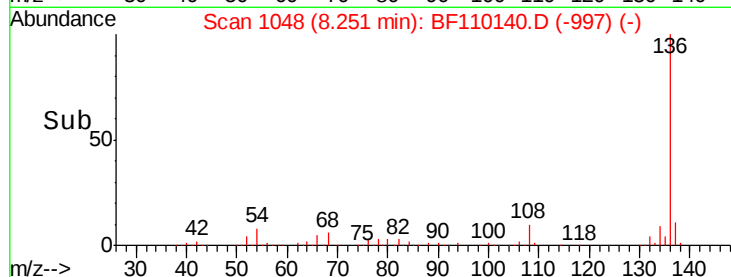
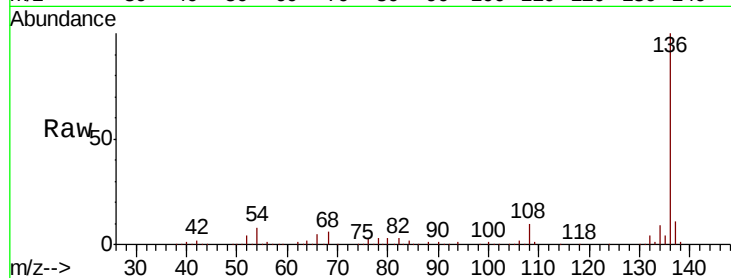




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.25 min Scan# 1048  
Delta R.T. 0.00 min  
Lab File: BF110140.D  
Acq: 25 Oct 2018 3:42

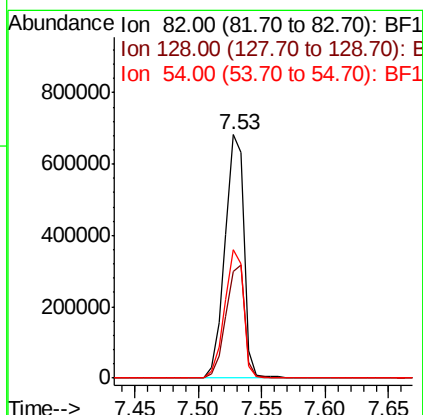
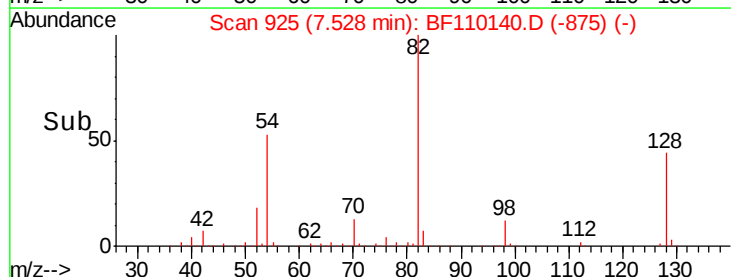
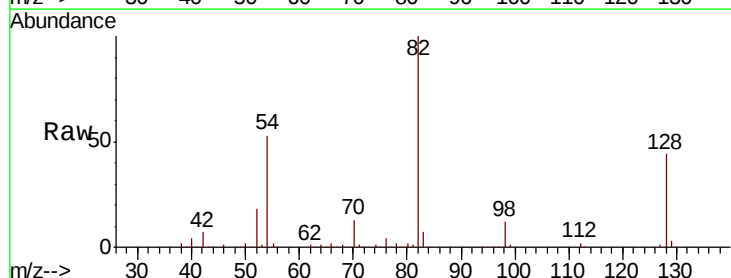
Instrument :  
BNA\_F  
ClientSampleId :  
102218-TIPC-E-D-S

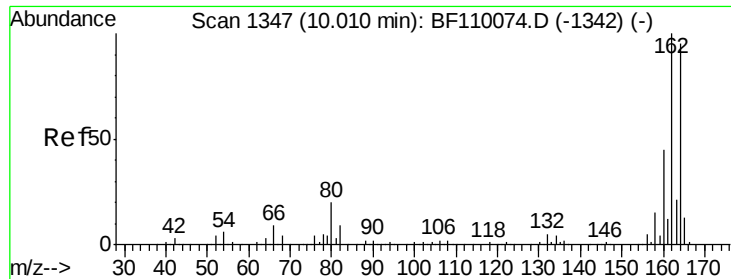
|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 462974   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 10.6  | 8.8 13.2 |
| 54          | 7.6   | 5.4 8.2  |
| 68          | 5.5   | 4.2 6.2  |



#23  
Nitrobenzene-d5  
Concen: 91.395 ng  
RT: 7.53 min Scan# 925  
Delta R.T. -0.01 min  
Lab File: BF110140.D  
Acq: 25 Oct 2018 3:42

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 713388    |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 44.0  | 34.2 51.2 |
| 54          | 52.6  | 38.6 58.0 |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1347

Delta R.T. 0.00 min

Lab File: BF110140.D

Acq: 25 Oct 2018 3:42

Instrument :

BNA\_F

ClientSampleId :

102218-TIPC-E-D-S

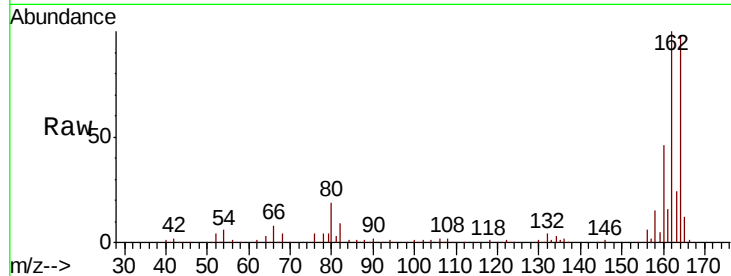
Tot Ion:164 Resp: 173803

Ion Ratio Lower Upper

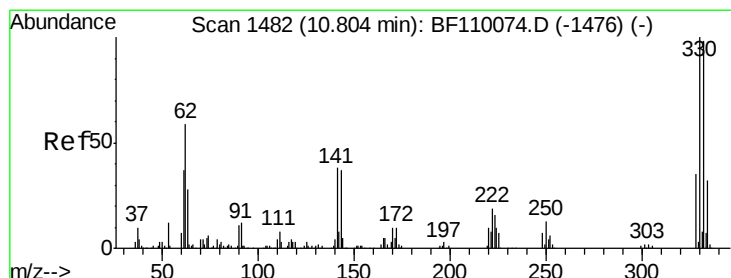
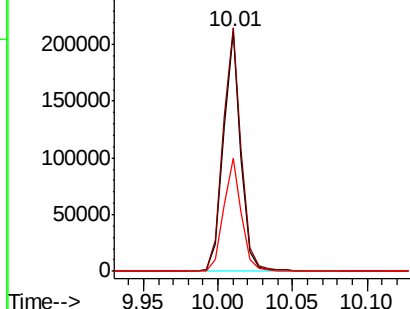
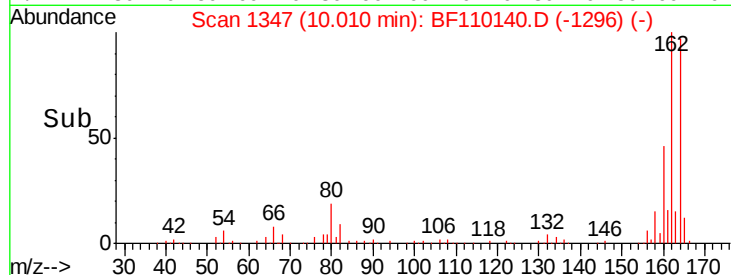
164 100

162 101.7 83.0 124.6

160 47.0 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: 73.000 ng

RT: 10.80 min Scan# 1481

Delta R.T. -0.01 min

Lab File: BF110140.D

Acq: 25 Oct 2018 3:42

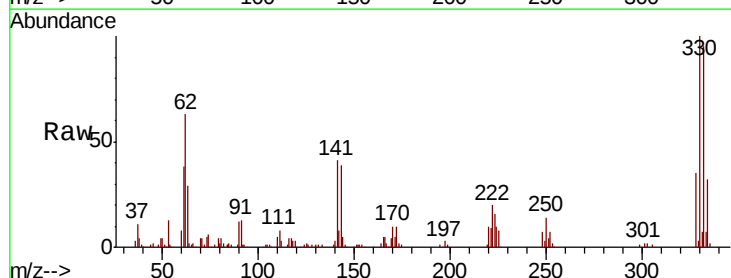
Tgt Ion:330 Resp: 125679

Ion Ratio Lower Upper

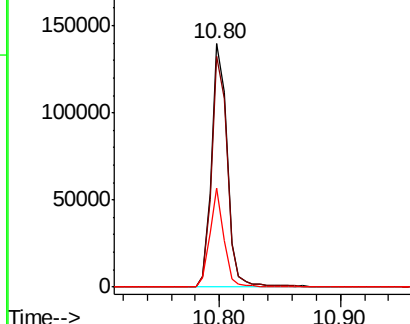
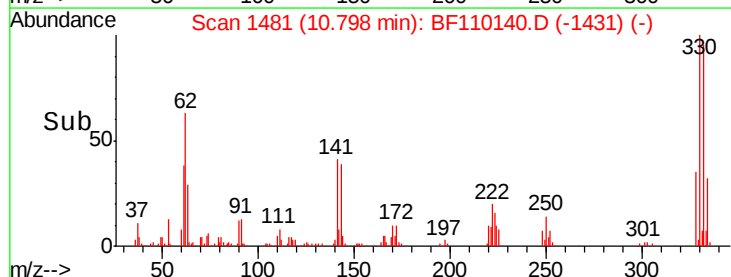
330 100

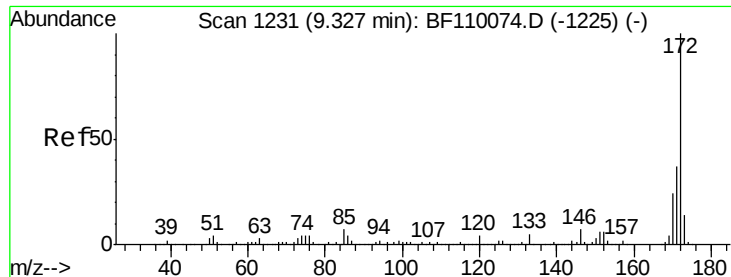
332 95.8 77.1 115.7

141 36.4 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



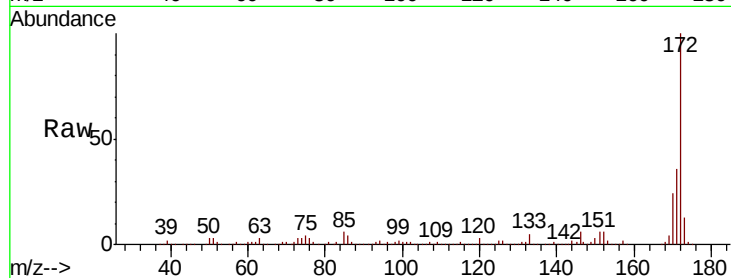


#45  
 2-Fluorobiphenyl  
 Concen: 107.535 ng  
 RT: 9.33 min Scan# 1231  
 Delta R.T. 0.00 min  
 Lab File: BF110140.D  
 Acq: 25 Oct 2018 3:42

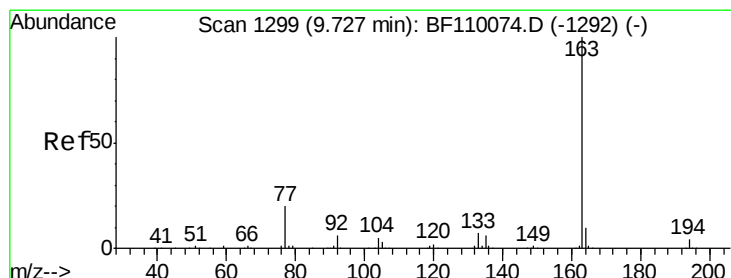
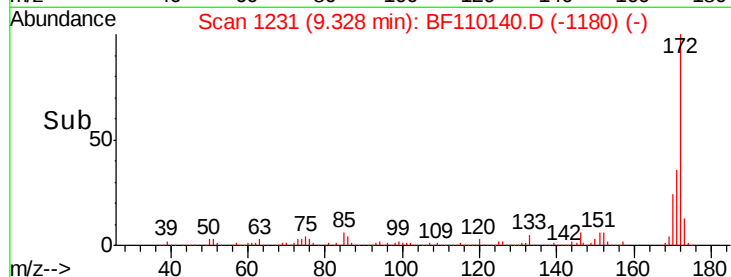
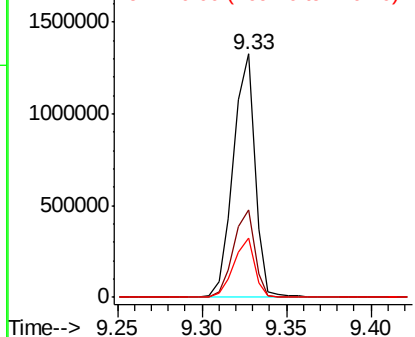
Instrument :  
 BNA\_F  
 ClientSampleId :  
 102218-TIPC-E-D-S

Tot Ion:172 Resp: 1190243  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 35.9  | 28.6  | 43.0  |
| 170 | 24.2  | 19.7  | 29.5  |



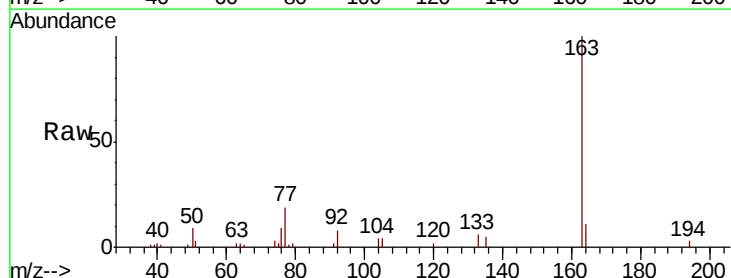
Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E



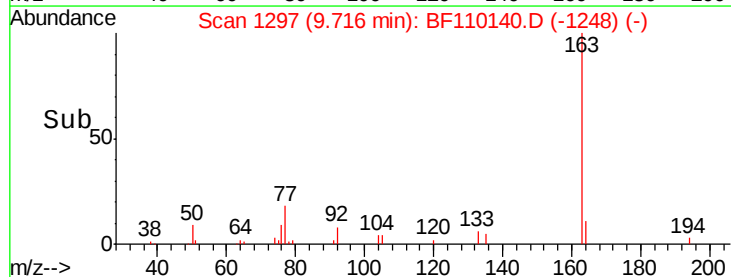
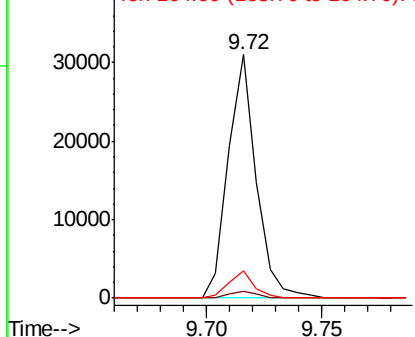
#50  
 Dimethylphthalate  
 Concen: 2.045 ng  
 RT: 9.72 min Scan# 1297  
 Delta R.T. -0.01 min  
 Lab File: BF110140.D  
 Acq: 25 Oct 2018 3:42

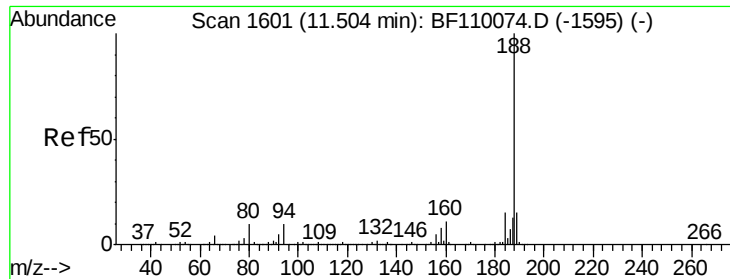
Tgt Ion:163 Resp: 26232  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 3.0   | 3.2   | 4.8#  |
| 164 | 11.0  | 8.1   | 12.1  |



Abundance Ion 163.00 (162.70 to 163.70): E  
 Ion 194.00 (193.70 to 194.70): E  
 Ion 164.00 (163.70 to 164.70): E

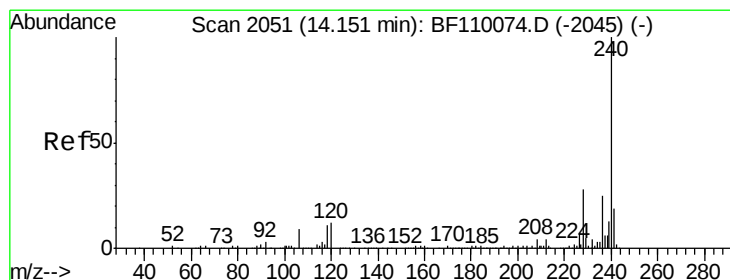
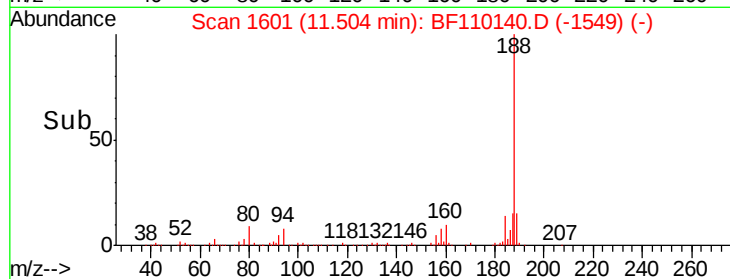
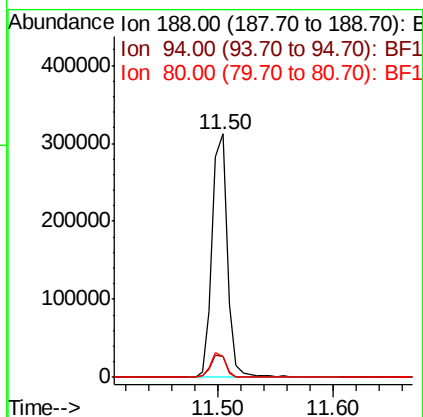
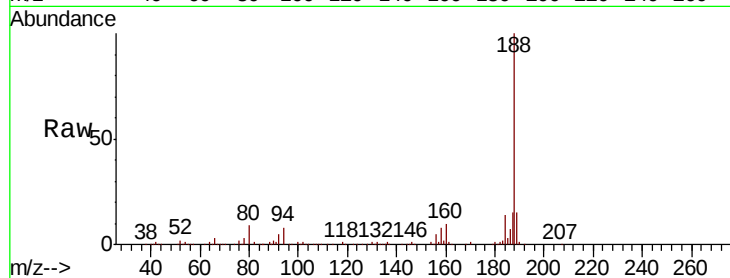




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.50 min Scan# 1601  
Delta R.T. 0.01 min  
Lab File: BF110140.D  
Acq: 25 Oct 2018 3:42

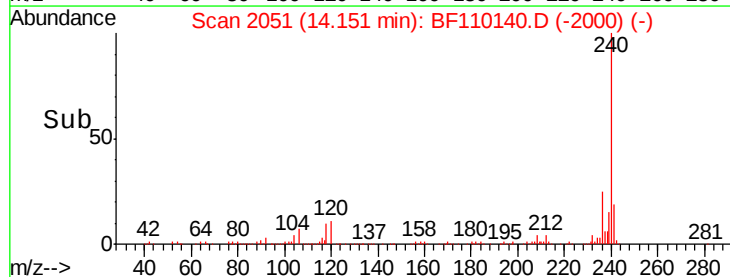
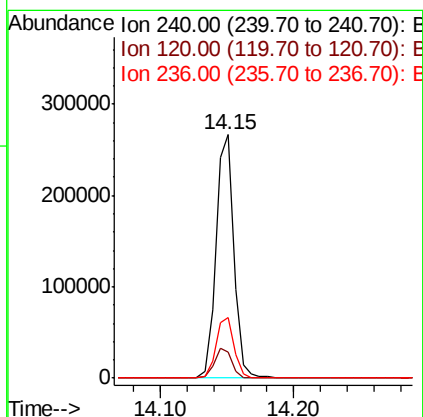
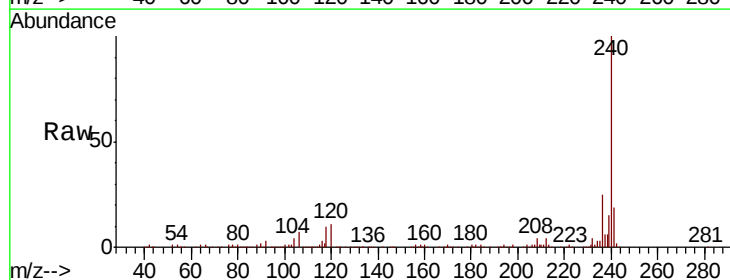
Instrument :  
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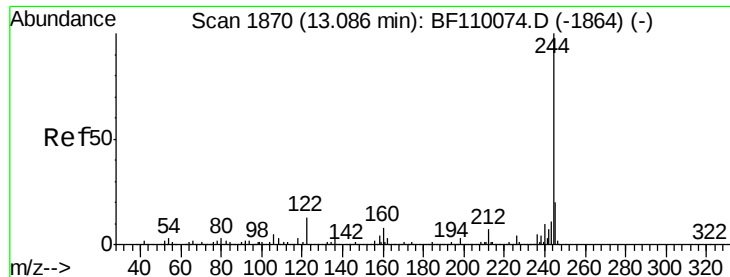
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.5   | 7.2   | 10.8  |
| 80      | 8.8   | 7.9   | 11.9  |



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.15 min Scan# 2051  
Delta R.T. 0.00 min  
Lab File: BF110140.D  
Acq: 25 Oct 2018 3:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 10.8  | 8.3   | 12.5  |
| 236     | 24.8  | 21.2  | 31.8  |





#79

Terphenyl-d14

Concen: 81.847 ng

RT: 13.09 min Scan# 1870

Delta R.T. 0.00 min

Lab File: BF110140.D

Acq: 25 Oct 2018 3:42

Instrument :

BNA\_F

ClientSampleId :

102218-TIPC-E-D-S

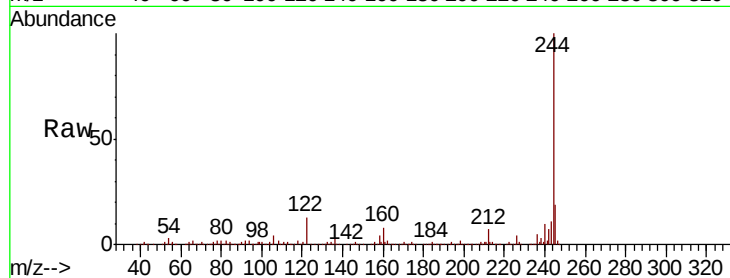
Tot Ion:244 Resp: 990113

Ion Ratio Lower Upper

244 100

212 6.6 5.8 8.8

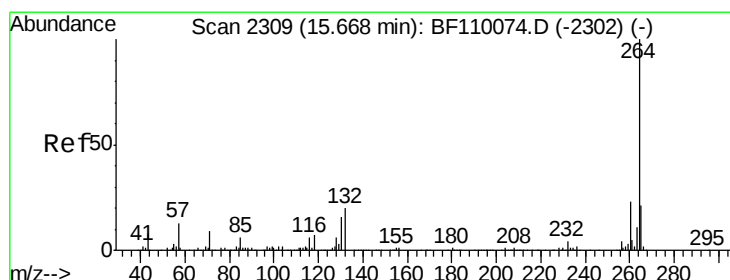
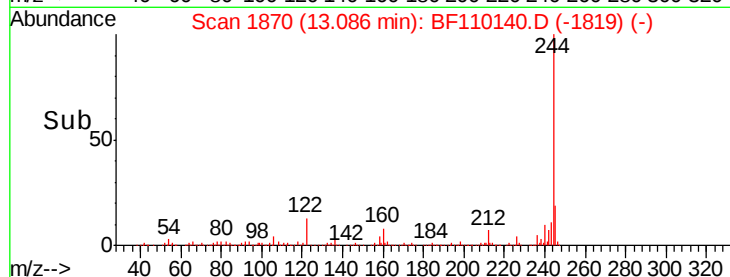
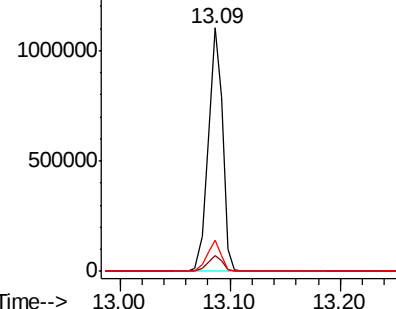
122 12.8 8.7 13.1



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

Perylene-d12

Concen: 20.000 ng

RT: 15.67 min Scan# 2310

Delta R.T. 0.01 min

Lab File: BF110140.D

Acq: 25 Oct 2018 3:42

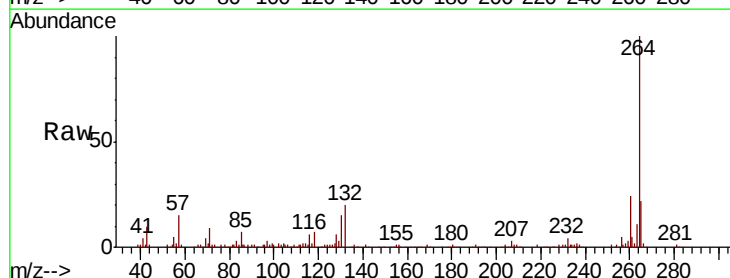
Tgt Ion:264 Resp: 166071

Ion Ratio Lower Upper

264 100

260 23.9 18.7 28.1

265 22.0 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

