

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072018\  
 Data File : BF107557.D  
 Acq On : 21 Jul 2018 6:44  
 Operator : JU/SJ  
 Sample : J4059-01  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DSN001

Quant Time: Jul 23 03:39:20 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 20 16:29:27 2018  
 Response via : Initial Calibration

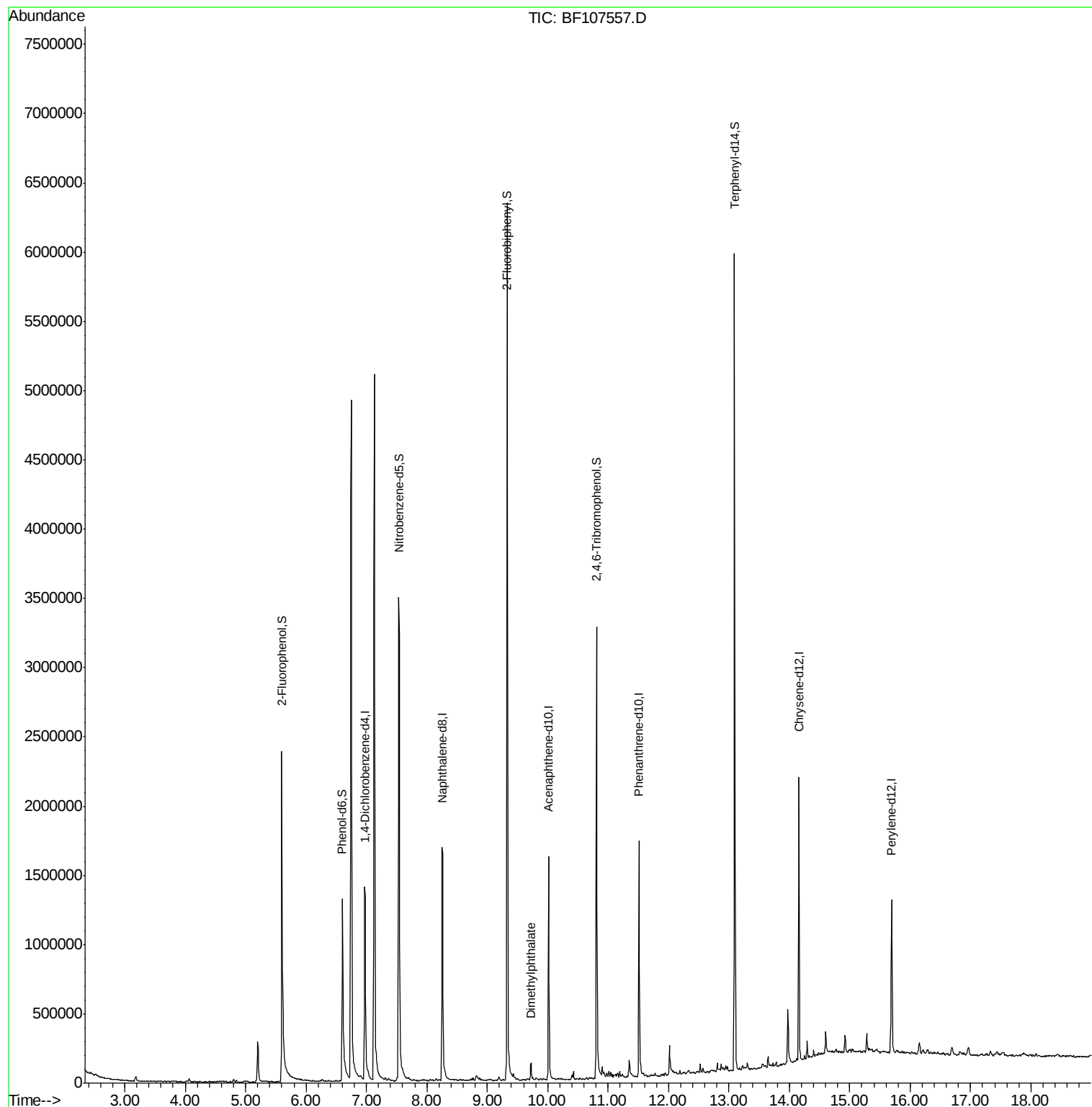
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.98  | 152  | 289627   | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 8.26  | 136  | 959958   | 20.00  | ng    | 0.00           |
| 38) Acenaphthene-d10        | 10.02 | 164  | 347563   | 20.00  | ng    | 0.00           |
| 63) Phenanthrene-d10        | 11.51 | 188  | 667959   | 20.00  | ng    | 0.00           |
| 75) Chrysene-d12            | 14.16 | 240  | 714162   | 20.00  | ng    | 0.00           |
| 86) Perylene-d12            | 15.69 | 264  | 528878   | 20.00  | ng    | 0.00           |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.60  | 112  | 952383   | 52.87  | ng    | 0.00           |
| 7) Phenol-d6                | 6.60  | 99   | 685995   | 31.72  | ng    | -0.01          |
| 23) Nitrobenzene-d5         | 7.54  | 82   | 1407515  | 98.95  | ng    | -0.01          |
| 41) 2,4,6-Tribromophenol    | 10.81 | 330  | 476470   | 120.55 | ng    | 0.00           |
| 44) 2-Fluorobiphenyl        | 9.33  | 172  | 2113883  | 114.29 | ng    | 0.00           |
| 78) Terphenyl-d14           | 13.10 | 244  | 2202272  | 78.95  | ng    | 0.00           |
| Target Compounds            |       |      |          |        |       |                |
| 49) Dimethylphthalate       | 9.72  | 163  | 56140    | 2.143  | ng    | Qvalue<br># 96 |

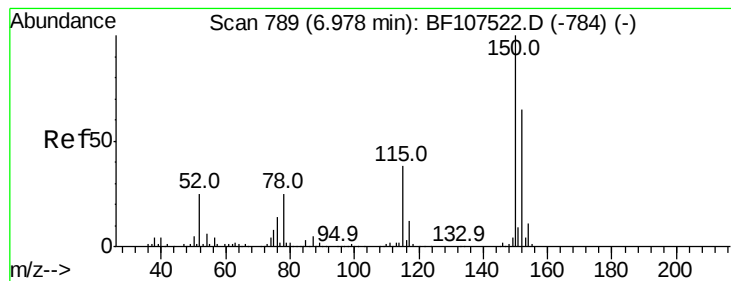
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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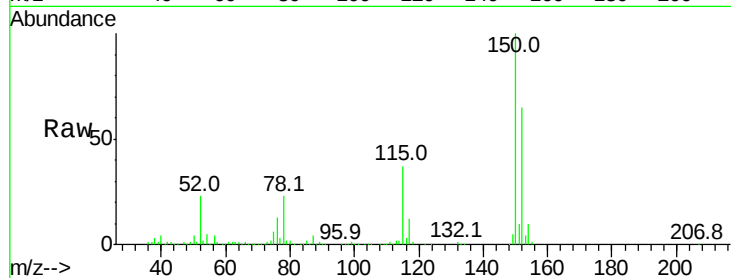


#1

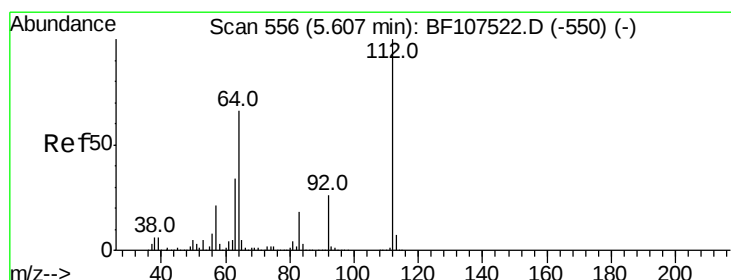
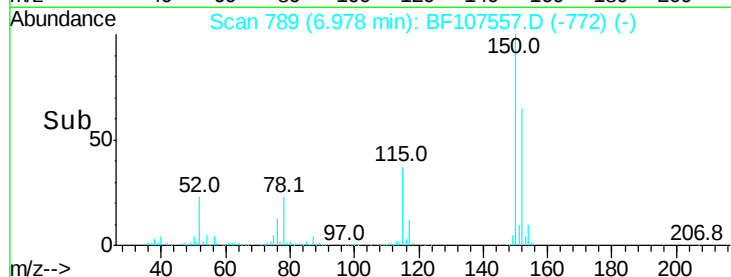
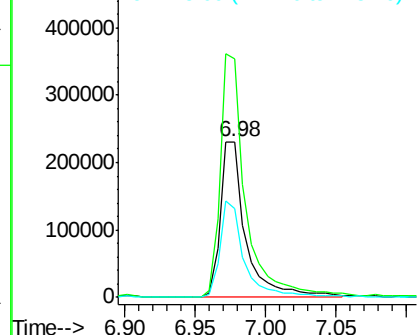
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.98 min Scan# 789  
Delta R.T. -0.00 min  
Lab File: BF107557.D  
Acq: 21 Jul 2018 6:44

Instrument :  
BNA\_F  
ClientSampleId :  
DSN001

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 153.7 | 124.6 | 186.8 |
| 115     | 56.9  | 50.1  | 75.1  |



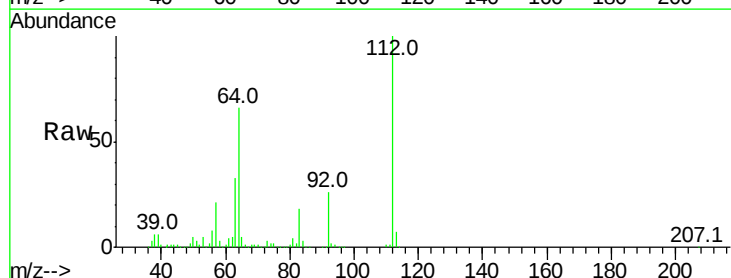
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



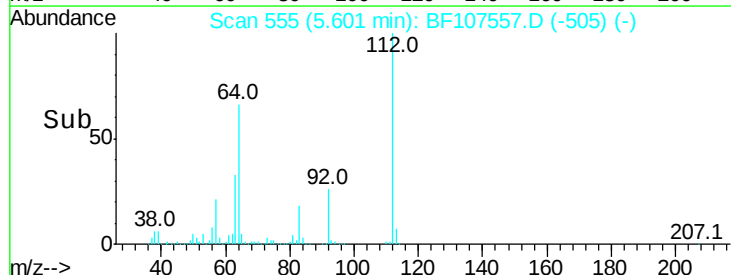
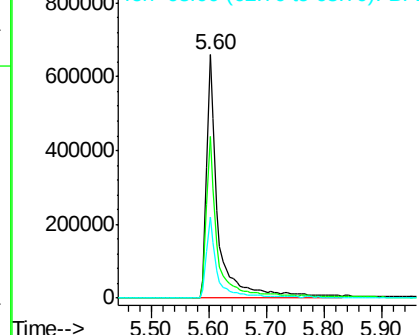
#5

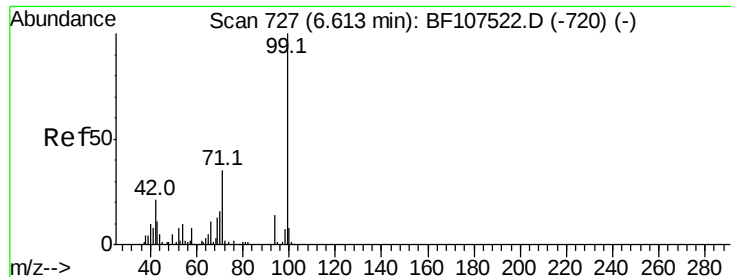
2-Fluorophenol  
Concen: 52.870 ng  
RT: 5.60 min Scan# 555  
Delta R.T. -0.01 min  
Lab File: BF107557.D  
Acq: 21 Jul 2018 6:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 66.2  | 47.9  | 71.9  |
| 63      | 33.1  | 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: 31.715 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107557.D

Acq: 21 Jul 2018 6:44

Instrument :

BNA\_F

ClientSampleId :

DSN001

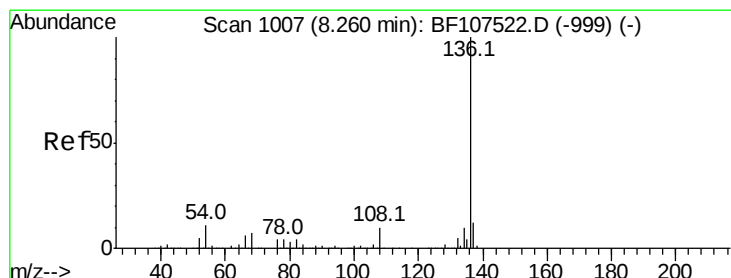
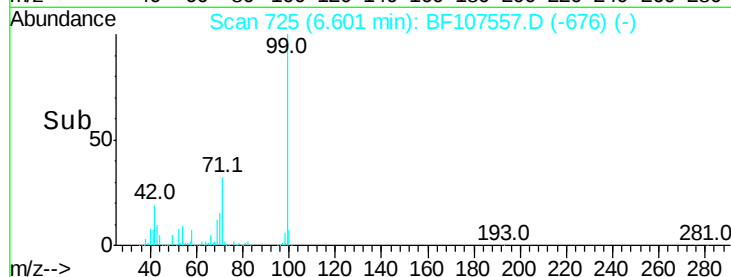
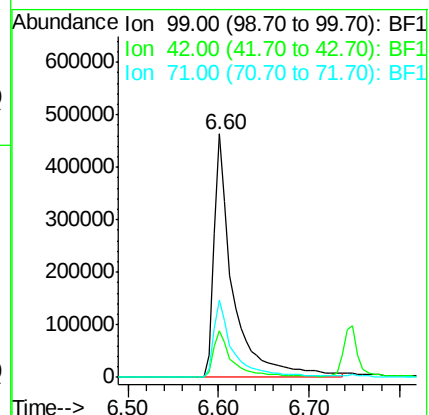
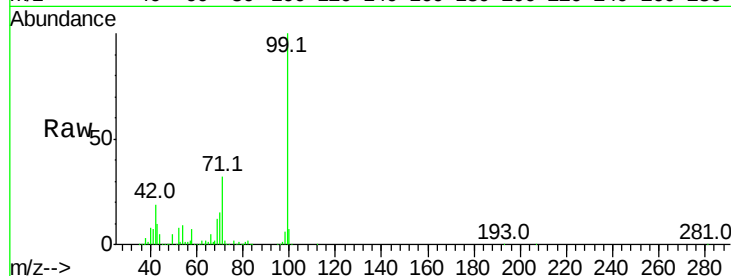
Tot Ion: 99 Resp: 685995

Ion Ratio Lower Upper

99 100

42 19.3 14.5 21.7

71 31.6 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1007

Delta R.T. -0.00 min

Lab File: BF107557.D

Acq: 21 Jul 2018 6:44

Tgt Ion: 136 Resp: 959958

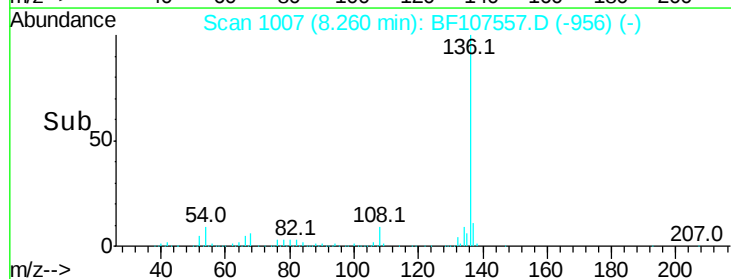
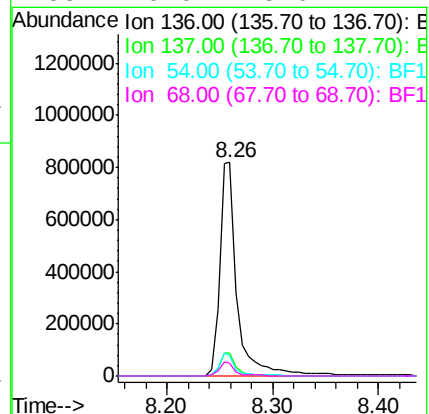
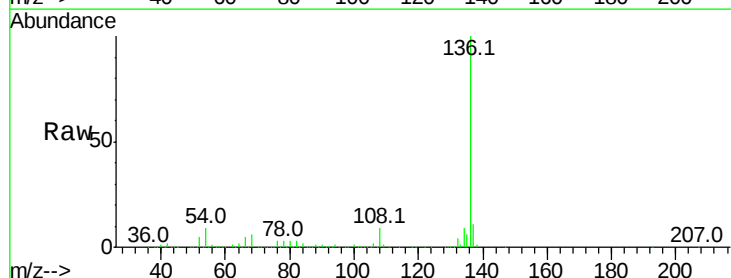
Ion Ratio Lower Upper

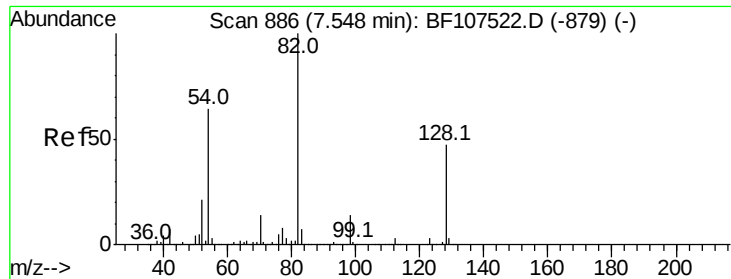
136 100

137 11.0 8.9 13.3

54 9.3 6.6 9.8

68 6.0 5.0 7.4



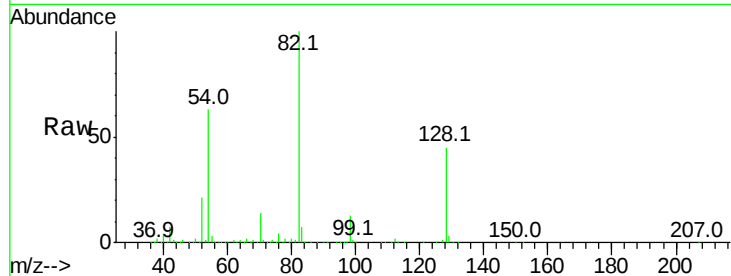


#23  
 Nitrobenzene-d5  
 Concen: 98.952 ng  
 RT: 7.54 min Scan# 884  
 Delta R.T. -0.01 min  
 Lab File: BF107557.D  
 Acq: 21 Jul 2018 6:44

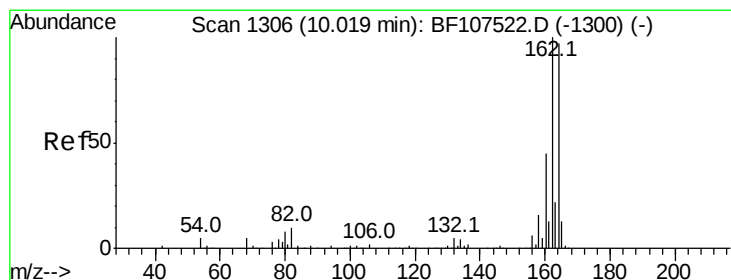
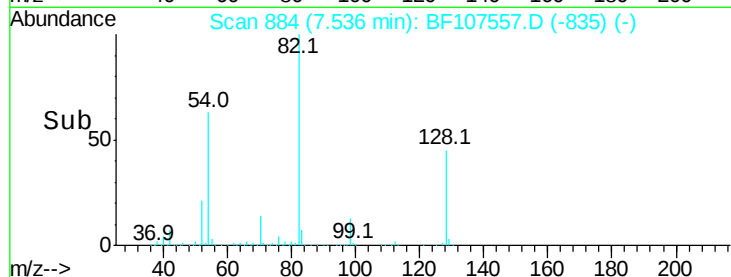
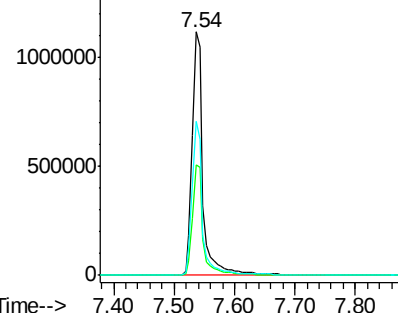
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DSN001

Tot Ion: 82 Resp: 1407515  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 45.2  | 36.1  | 54.1  |
| 54  | 63.0  | 41.4  | 62.2# |



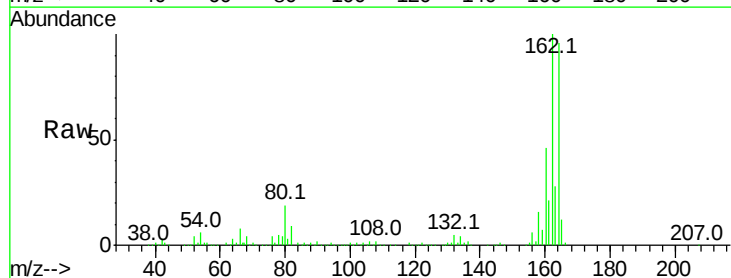
Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF1



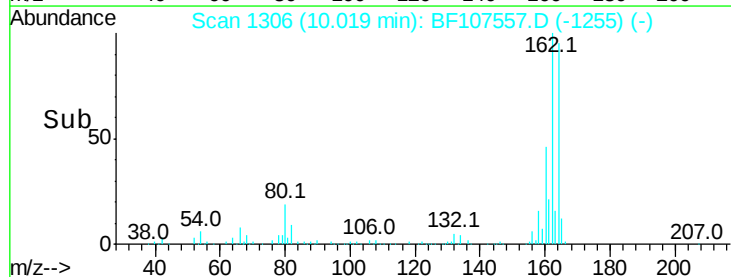
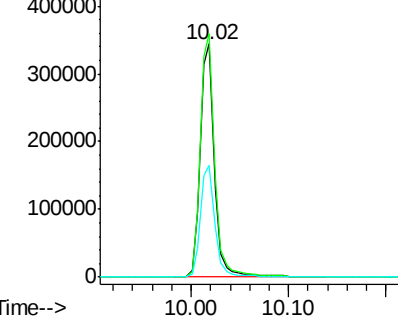
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 10.02 min Scan# 1306  
 Delta R.T. -0.00 min  
 Lab File: BF107557.D  
 Acq: 21 Jul 2018 6:44

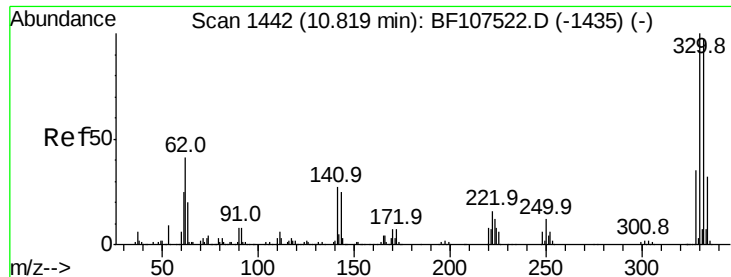
Tgt Ion:164 Resp: 347563  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 104.5 | 86.1  | 129.1 |
| 160 | 47.8  | 38.3  | 57.5  |



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

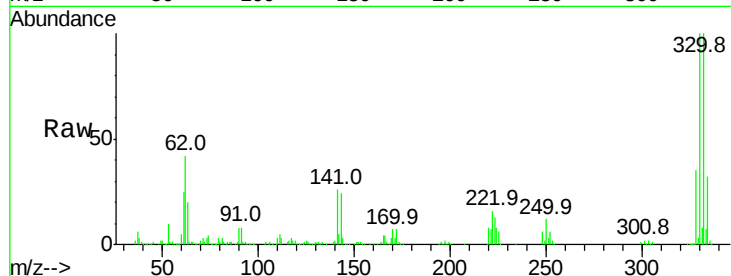




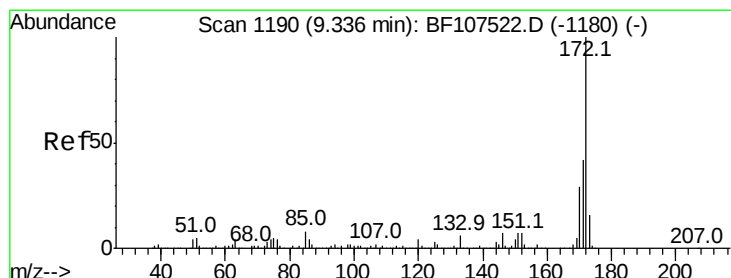
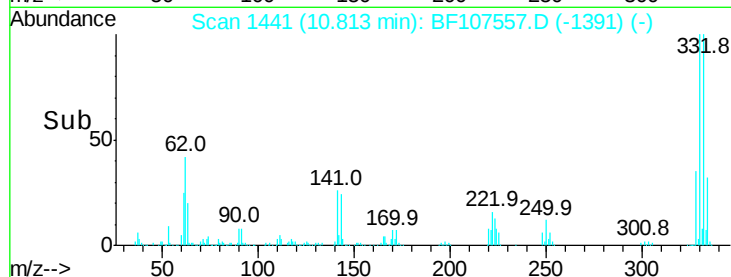
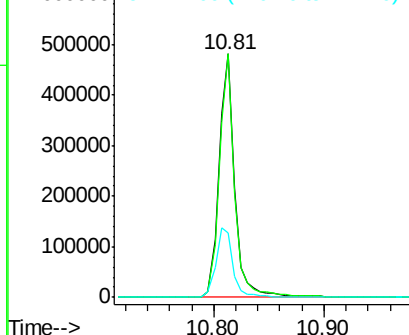
#41  
 2,4,6-Tribromophenol  
 Concen: 120.554 ng  
 RT: 10.81 min Scan# 1441  
 Delta R.T. -0.01 min  
 Lab File: BF107557.D  
 Acq: 21 Jul 2018 6:44

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DSN001

Tot Ion:330 Resp: 476470  
 Ion Ratio Lower Upper  
 330 100  
 332 97.8 77.0 115.6  
 141 31.3 29.9 44.9

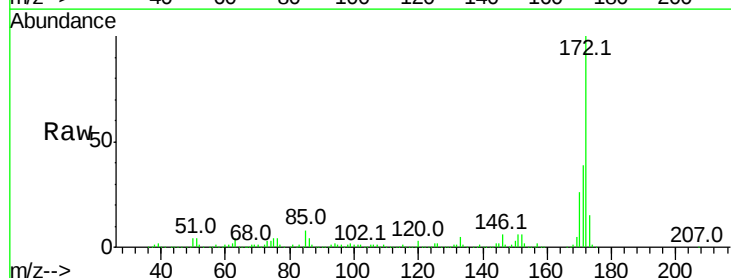


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

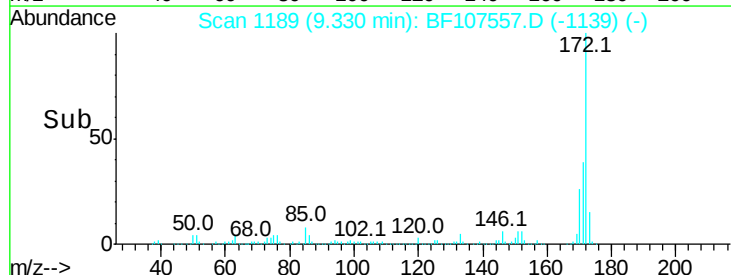
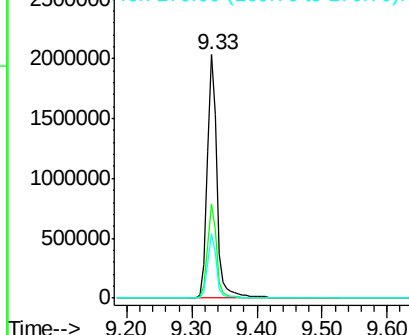


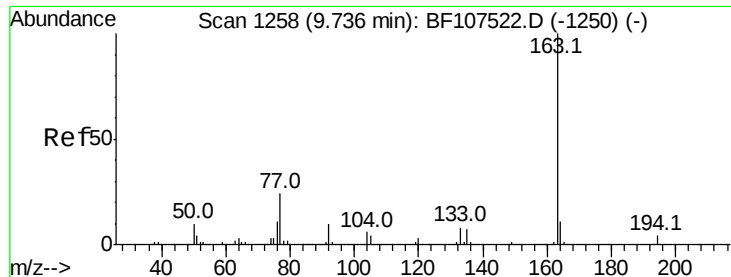
#44  
 2-Fluorobiphenyl  
 Concen: 114.287 ng  
 RT: 9.33 min Scan# 1189  
 Delta R.T. -0.01 min  
 Lab File: BF107557.D  
 Acq: 21 Jul 2018 6:44

Tgt Ion:172 Resp: 2113883  
 Ion Ratio Lower Upper  
 172 100  
 171 38.7 29.7 44.5  
 170 26.5 19.6 29.4



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

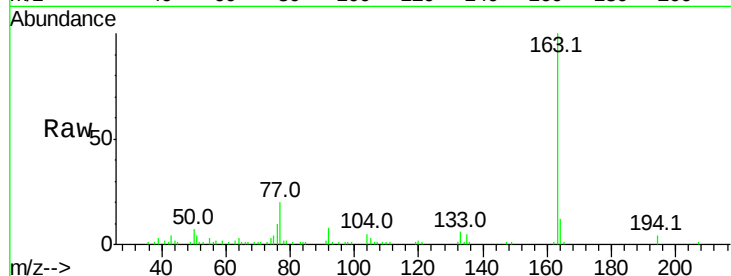




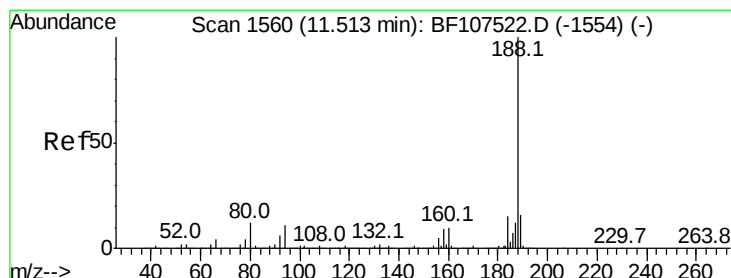
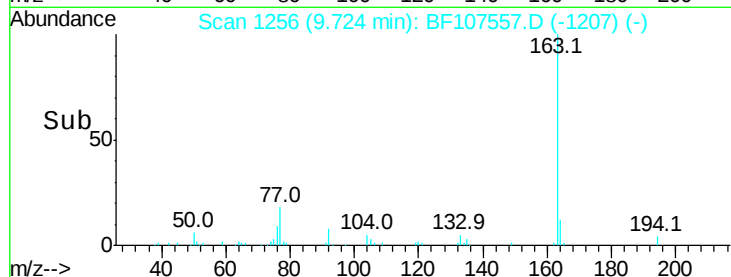
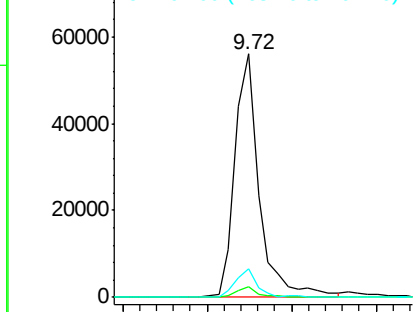
#49  
Dimethylphthalate  
Concen: 2.143 ng  
RT: 9.72 min Scan# 1256  
Delta R.T. -0.01 min  
Lab File: BF107557.D  
Acq: 21 Jul 2018 6:44

Instrument :  
BNA\_F  
ClientSampleId :  
DSN001

Tot Ion:163 Resp: 56140  
Ion Ratio Lower Upper  
163 100  
194 4.5 2.7 4.1#  
164 12.0 8.2 12.2

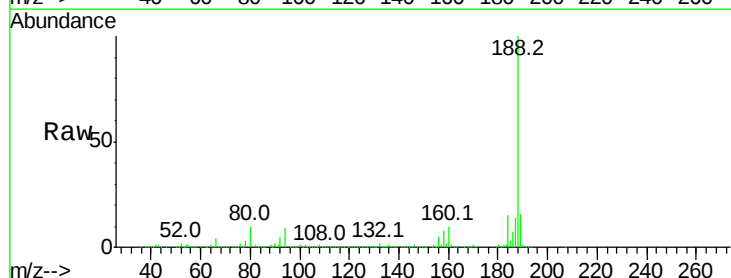


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

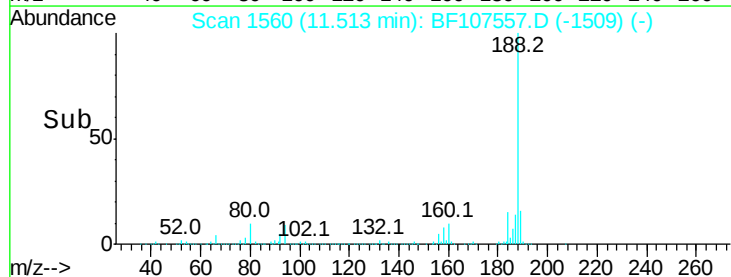
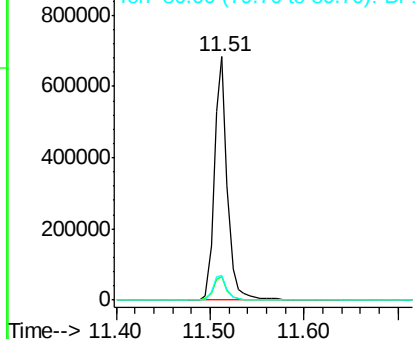


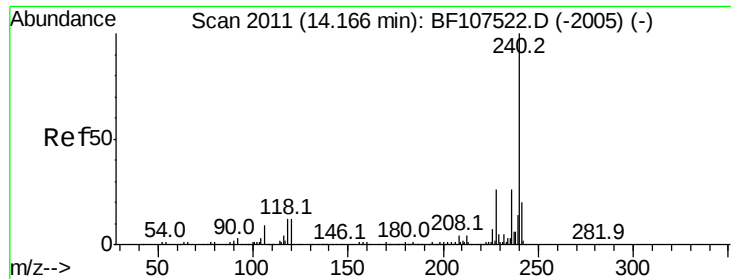
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.51 min Scan# 1560  
Delta R.T. -0.00 min  
Lab File: BF107557.D  
Acq: 21 Jul 2018 6:44

Tgt Ion:188 Resp: 667959  
Ion Ratio Lower Upper  
188 100  
94 9.5 8.5 12.7  
80 10.3 9.2 13.8



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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2010

Delta R.T. -0.01 min

Lab File: BF107557.D

Acq: 21 Jul 2018 6:44

Instrument :

BNA\_F

ClientSampleId :

DSN001

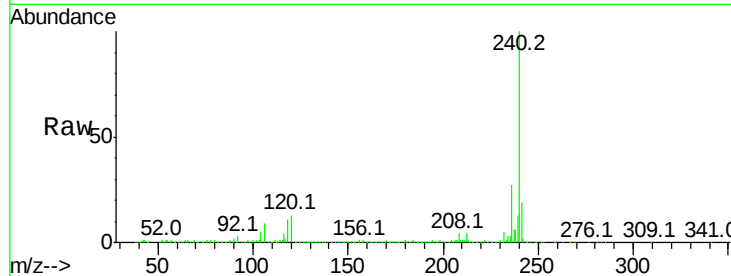
Tot Ion:240 Resp: 714162

Ion Ratio Lower Upper

240 100

120 12.6 9.5 14.3

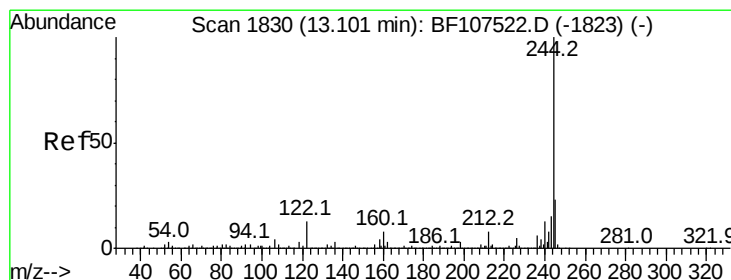
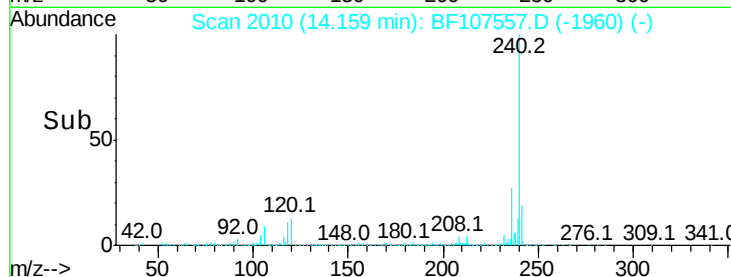
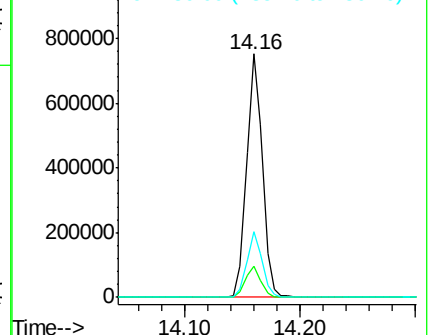
236 27.1 20.7 31.1



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



#78

Terphenyl-d14

Concen: 78.946 ng

RT: 13.10 min Scan# 1830

Delta R.T. 0.00 min

Lab File: BF107557.D

Acq: 21 Jul 2018 6:44

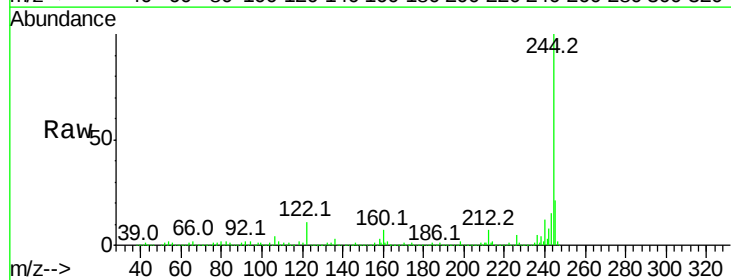
Tgt Ion:244 Resp: 2202272

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

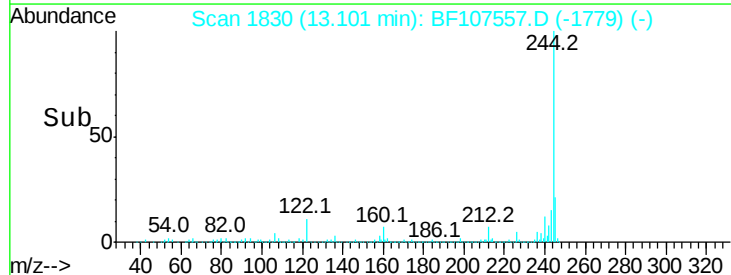
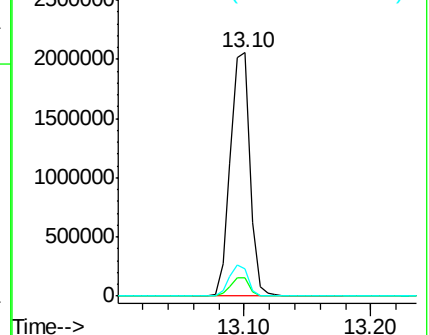
122 11.0 11.0 16.4#

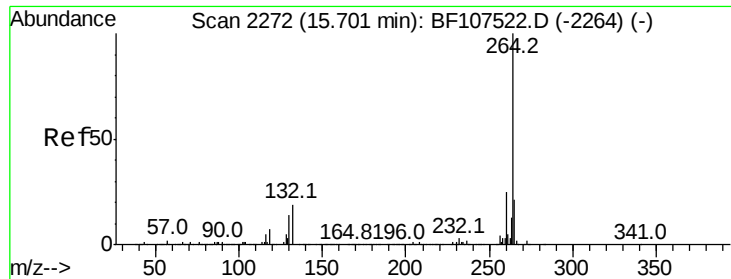


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

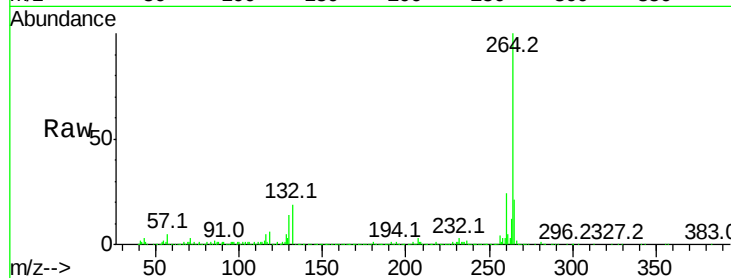




#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.69 min Scan# 2271  
Delta R.T. -0.01 min  
Lab File: BF107557.D  
Acq: 21 Jul 2018 6:44

Instrument :  
BNA\_F  
ClientSampleId :  
DSN001

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.9  | 19.2  | 28.8  |
| 265     | 21.4  | 17.5  | 26.3  |



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

