

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\  
 Data File : BF110135.D  
 Acq On : 25 Oct 2018 1:26  
 Operator : JU/SJ  
 Sample : J5640-03  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 102218-JETT-F-D-S

Quant Time: Oct 25 09:14:06 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

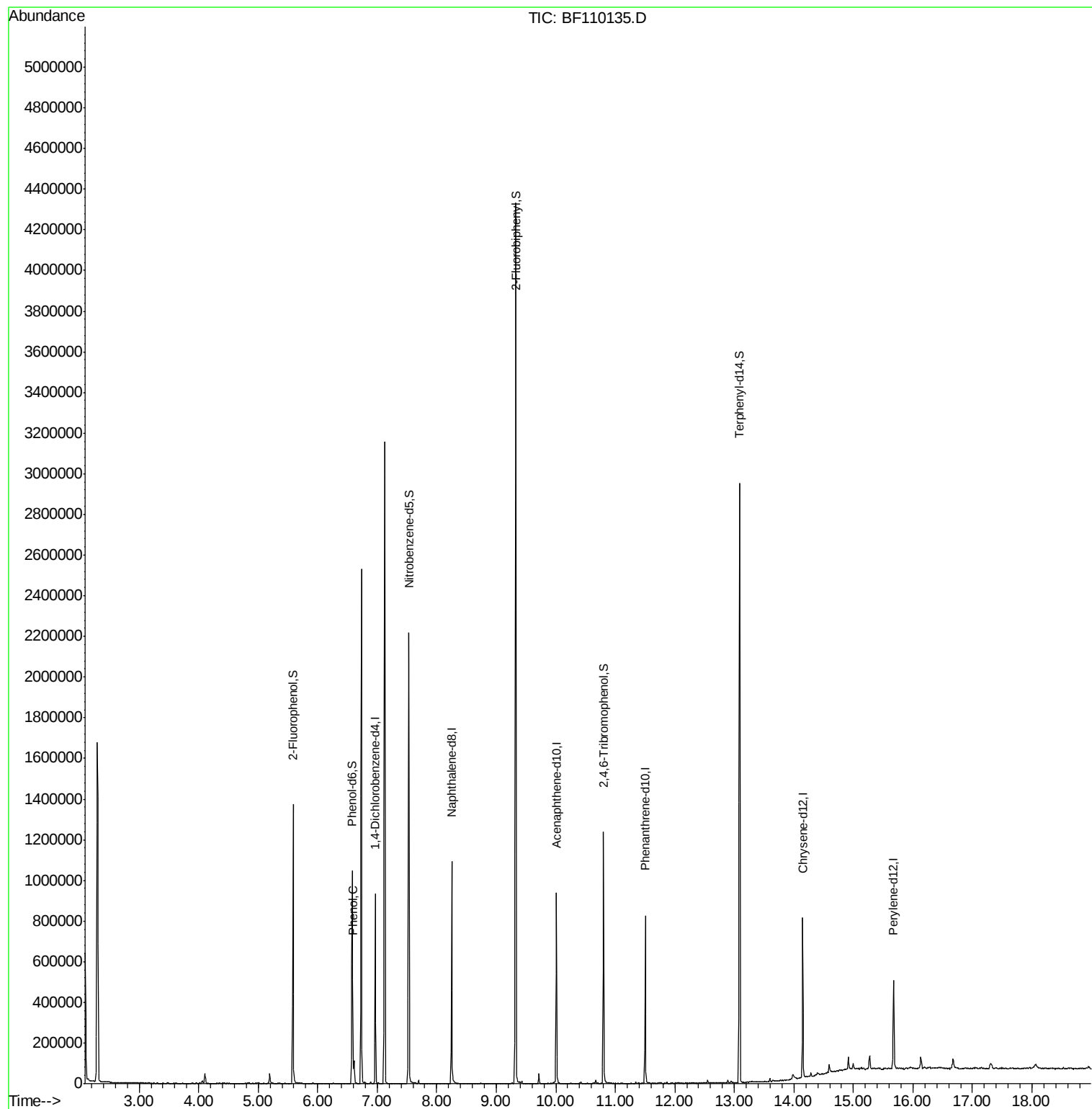
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.97  | 152  | 135222   | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 8.25  | 136  | 473079   | 20.00  | ng    | 0.00           |
| 39) Acenaphthene-d10        | 10.01 | 164  | 180106   | 20.00  | ng    | 0.00           |
| 64) Phenanthrene-d10        | 11.50 | 188  | 298312   | 20.00  | ng    | 0.00           |
| 76) Chrysene-d12            | 14.15 | 240  | 252237   | 20.00  | ng    | 0.00           |
| 87) Perylene-d12            | 15.67 | 264  | 174935   | 20.00  | ng    | 0.00           |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.59  | 112  | 362449   | 43.65  | ng    | 0.00           |
| 7) Phenol-d6                | 6.58  | 99   | 299695   | 28.22  | ng    | 0.00           |
| 23) Nitrobenzene-d5         | 7.53  | 82   | 761273   | 95.45  | ng    | 0.00           |
| 42) 2,4,6-Tribromophenol    | 10.80 | 330  | 141380   | 79.25  | ng    | 0.00           |
| 45) 2-Fluorobiphenyl        | 9.33  | 172  | 1278175  | 111.44 | ng    | 0.00           |
| 79) Terphenyl-d14           | 13.09 | 244  | 1040539  | 85.79  | ng    | 0.00           |
| Target Compounds            |       |      |          |        |       |                |
| 10) Phenol                  | 6.59  | 94   | 24341    | 2.144  | ng    | Qvalue<br># 66 |

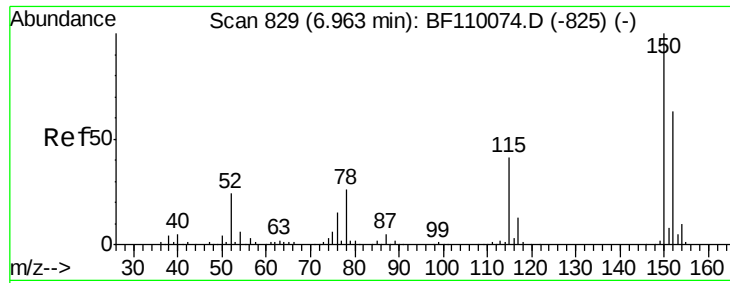
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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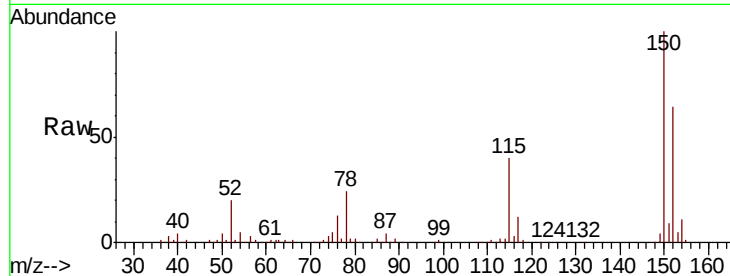


#1

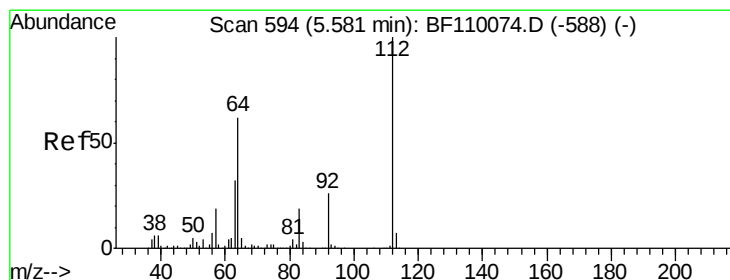
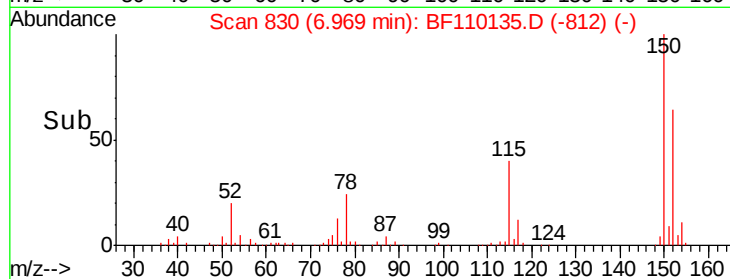
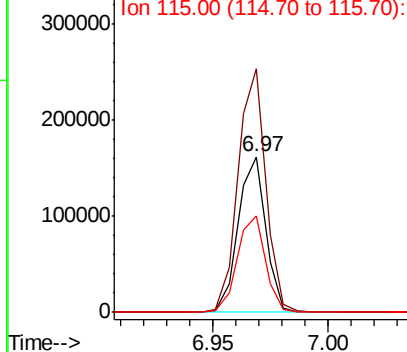
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.97 min Scan# 830  
Delta R.T. 0.01 min  
Lab File: BF110135.D  
Acq: 25 Oct 2018 1:26

Instrument :  
BNA\_F  
ClientSampleId :  
102218-JETT-F-D-S

Tot Ion:152 Resp: 135222  
Ion Ratio Lower Upper  
152 100  
150 156.5 122.7 184.1  
115 62.1 49.1 73.7



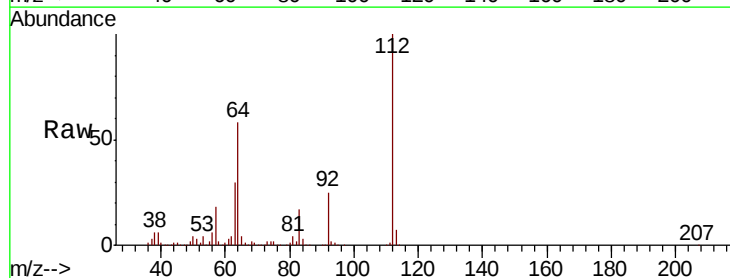
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



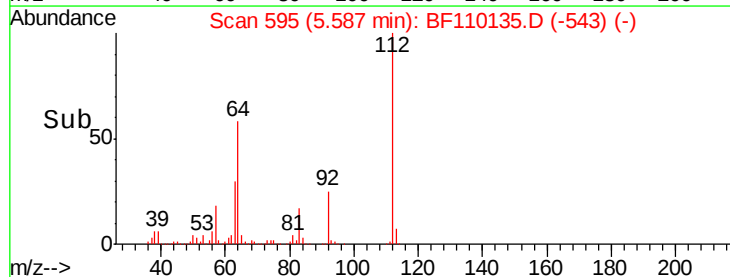
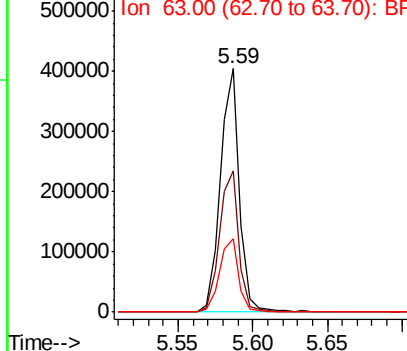
#5

2-Fluorophenol  
Concen: 43.649 ng  
RT: 5.59 min Scan# 595  
Delta R.T. 0.01 min  
Lab File: BF110135.D  
Acq: 25 Oct 2018 1:26

Tgt Ion:112 Resp: 362449  
Ion Ratio Lower Upper  
112 100  
64 58.0 44.1 66.1  
63 30.1 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: 28.217 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF110135.D

Acq: 25 Oct 2018 1:26

Instrument :

BNA\_F

ClientSampleId :

102218-JETT-F-D-S

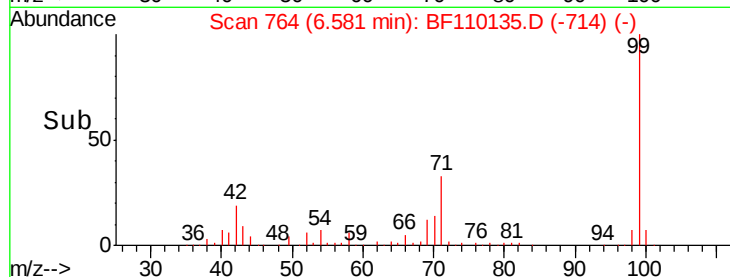
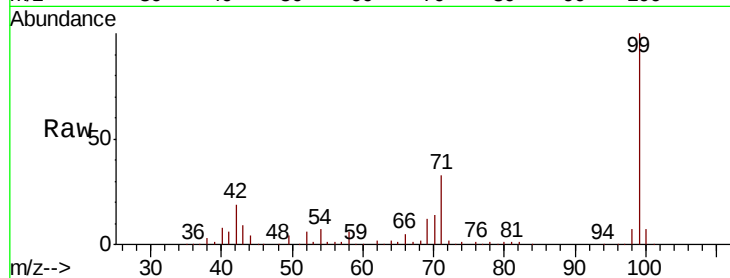
Tot Ion: 99 Resp: 299695

Ion Ratio Lower Upper

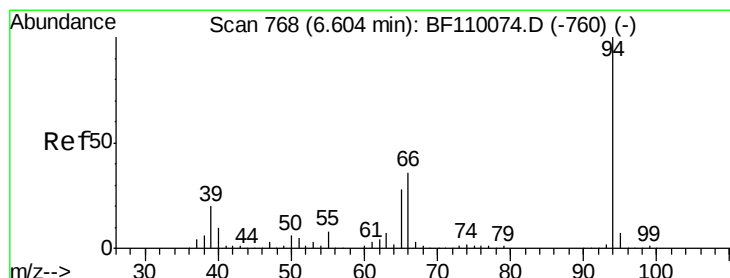
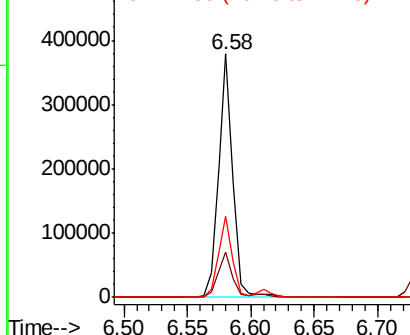
99 100

42 18.7 15.8 23.6

71 33.2 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: 2.144 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF110135.D

Acq: 25 Oct 2018 1:26

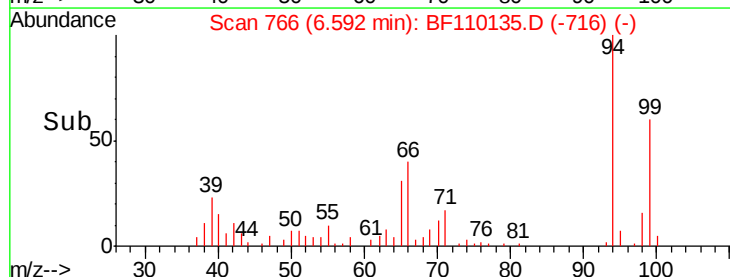
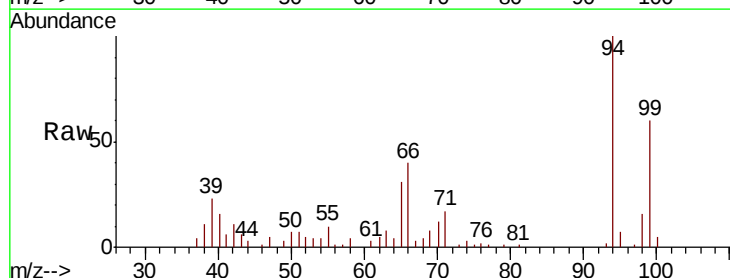
Tgt Ion: 94 Resp: 24341

Ion Ratio Lower Upper

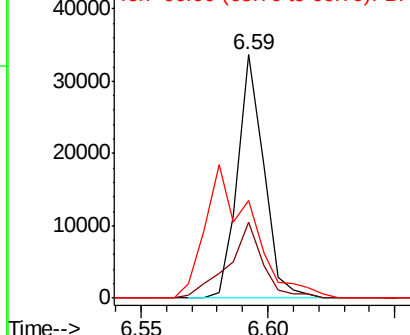
94 100

65 31.0 25.3 65.3

66 39.9 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

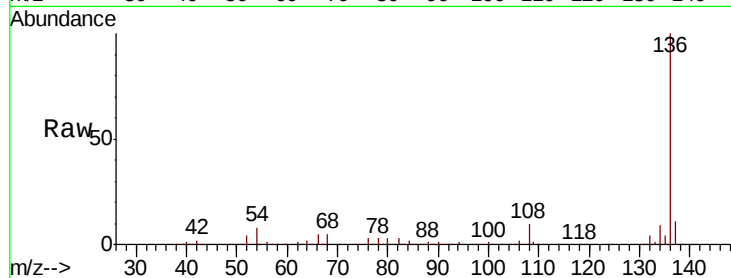




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.25 min Scan# 1048  
Delta R.T. 0.00 min  
Lab File: BF110135.D  
Acq: 25 Oct 2018 1:26

Instrument :  
BNA\_F  
ClientSampleId :  
102218-JETT-F-D-S

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 10.9  | 8.8   | 13.2  |
| 54      | 7.6   | 5.4   | 8.2   |
| 68      | 5.4   | 4.2   | 6.2   |



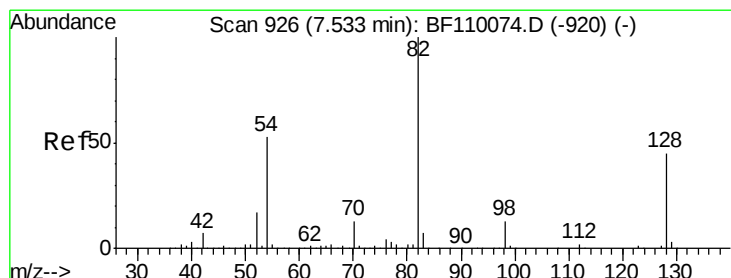
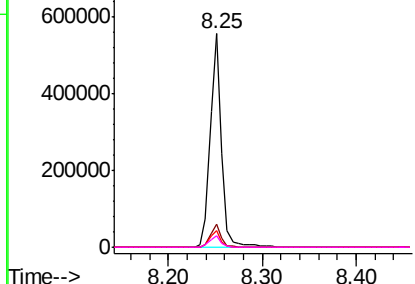
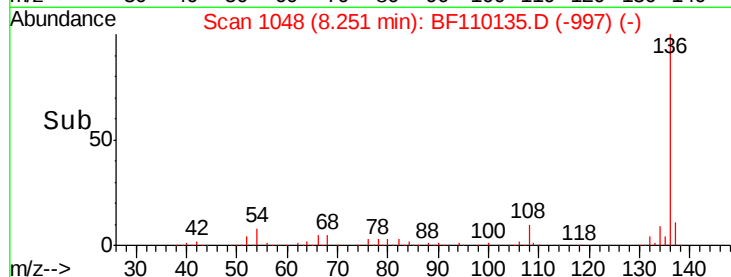
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

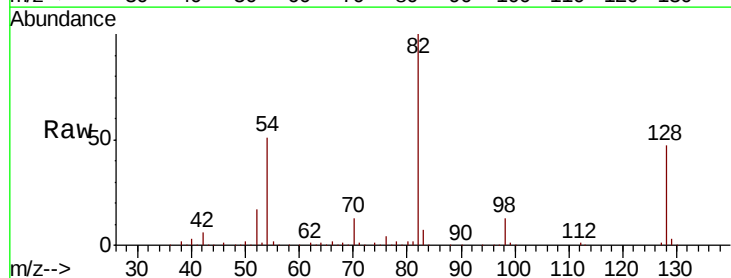
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23  
Nitrobenzene-d5  
Concen: 95.446 ng  
RT: 7.53 min Scan# 926  
Delta R.T. 0.00 min  
Lab File: BF110135.D  
Acq: 25 Oct 2018 1:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 47.5  | 34.2  | 51.2  |
| 54      | 50.8  | 38.6  | 58.0  |

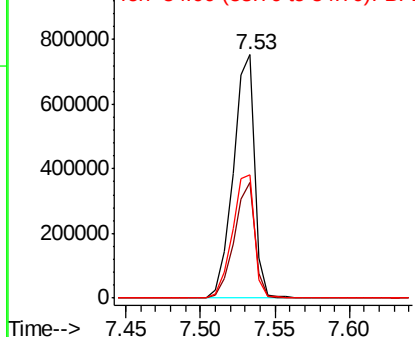
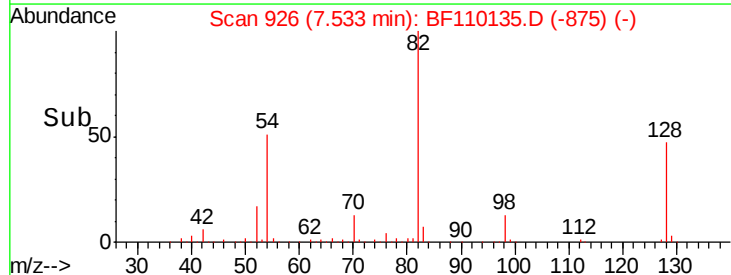


Abundance

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: BF110135.D

Acq: 25 Oct 2018 1:26

Instrument :

BNA\_F

ClientSampleId :

102218-JETT-F-D-S

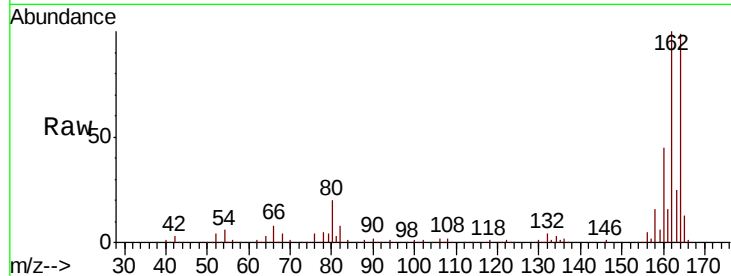
Tot Ion:164 Resp: 180106

Ion Ratio Lower Upper

164 100

162 100.8 83.0 124.6

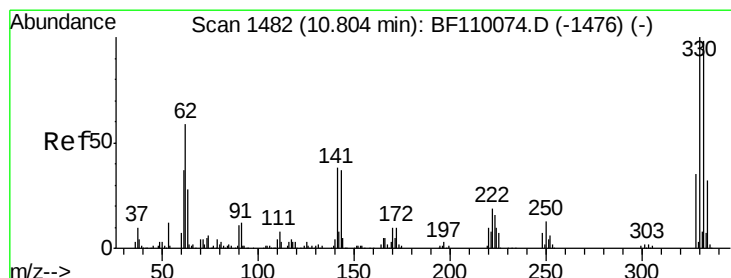
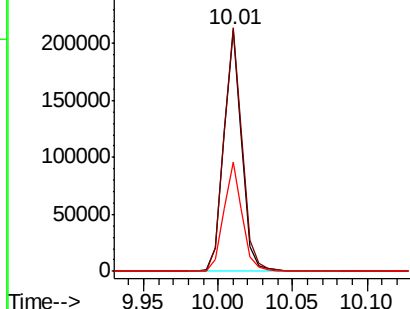
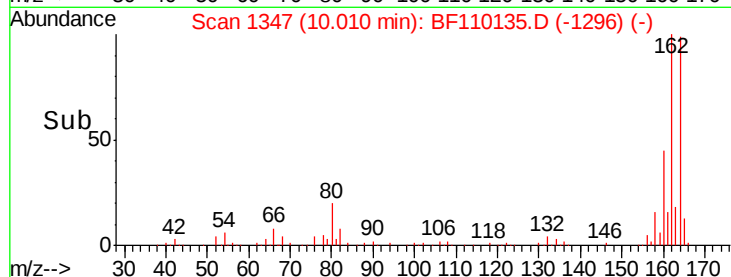
160 45.2 37.0 55.6



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: 79.246 ng

RT: 10.80 min Scan# 1482

Delta R.T. 0.00 min

Lab File: BF110135.D

Acq: 25 Oct 2018 1:26

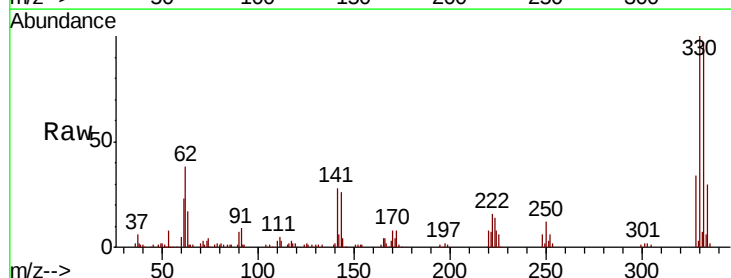
Tgt Ion:330 Resp: 141380

Ion Ratio Lower Upper

330 100

332 96.2 77.1 115.7

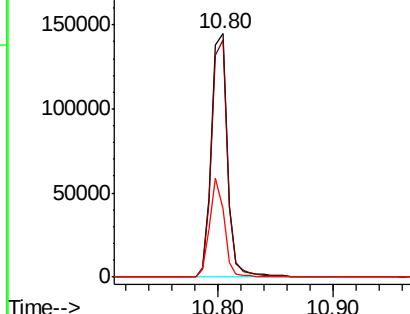
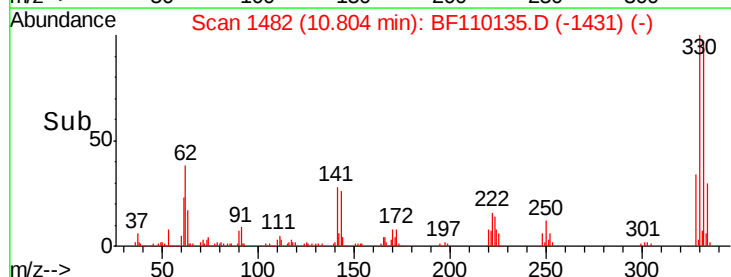
141 36.5 27.0 40.4

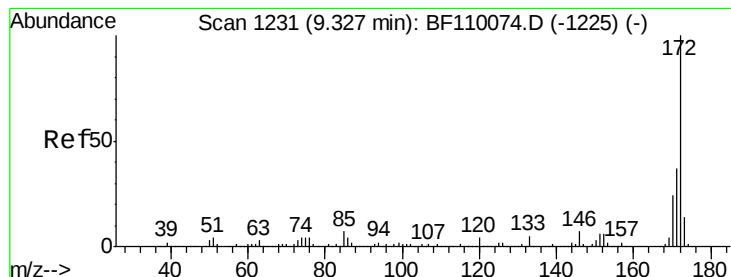


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



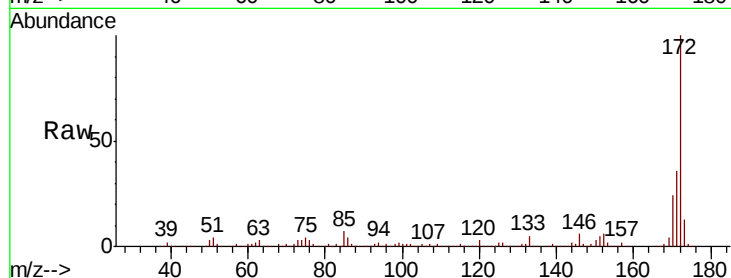


#45  
 2-Fluorobiphenyl  
 Concen: 111.438 ng  
 RT: 9.33 min Scan# 1231  
 Delta R.T. 0.00 min  
 Lab File: BF110135.D  
 Acq: 25 Oct 2018 1:26

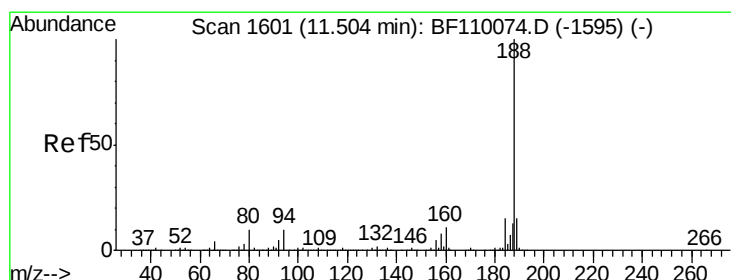
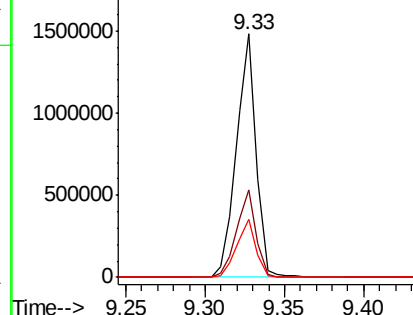
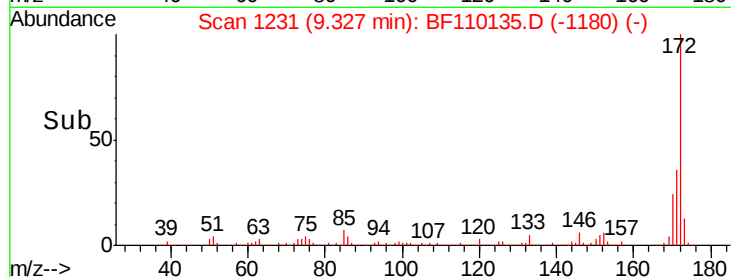
Instrument :  
 BNA\_F  
 ClientSampleId :  
 102218-JETT-F-D-S

Tot Ion:172 Resp: 1278175  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 35.9  | 28.6  | 43.0  |
| 170 | 23.6  | 19.7  | 29.5  |



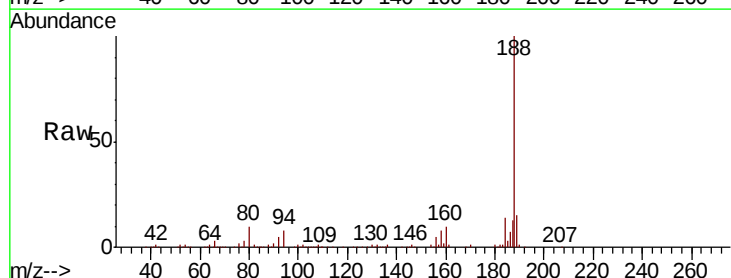
Abundance Ion 172.00 (171.70 to 172.70): E  
 2000000 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E



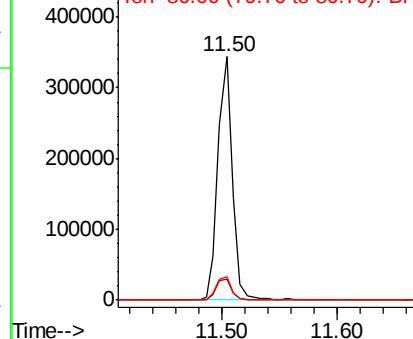
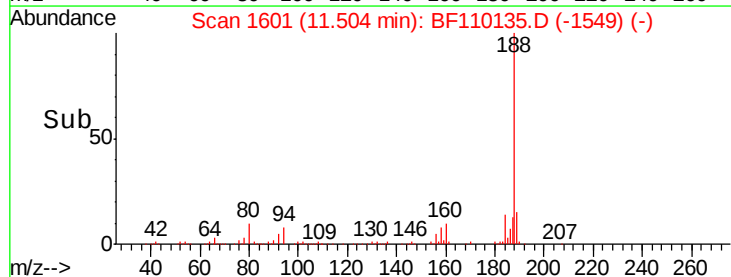
#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.50 min Scan# 1601  
 Delta R.T. 0.01 min  
 Lab File: BF110135.D  
 Acq: 25 Oct 2018 1:26

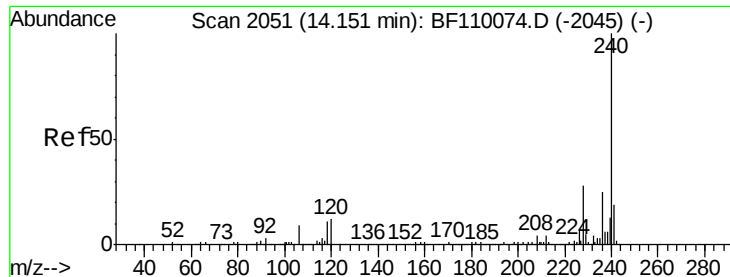
Tgt Ion:188 Resp: 298312  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 8.4   | 7.2   | 10.8  |
| 80  | 9.7   | 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: BF110135.D

Acq: 25 Oct 2018 1:26

Instrument :

BNA\_F

ClientSampleId :

102218-JETT-F-D-S

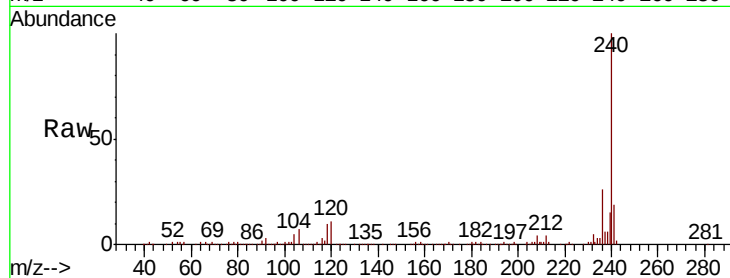
Tot Ion:240 Resp: 252237

Ion Ratio Lower Upper

240 100

120 10.9 8.3 12.5

236 25.9 21.2 31.8

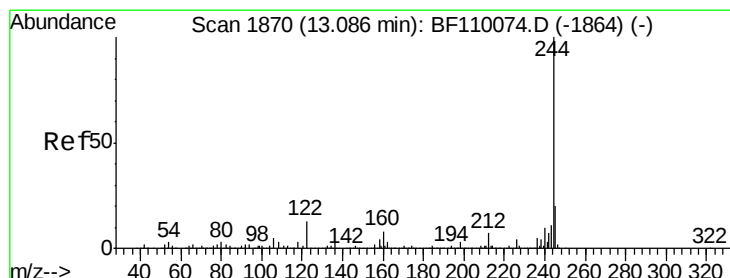
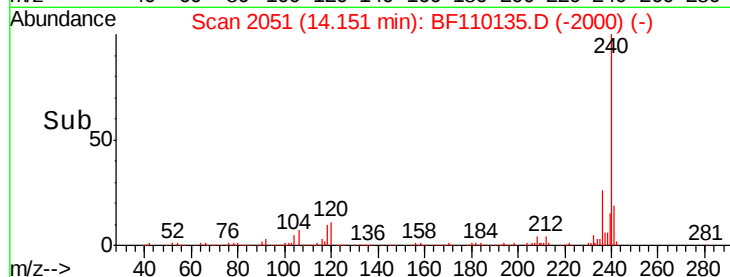
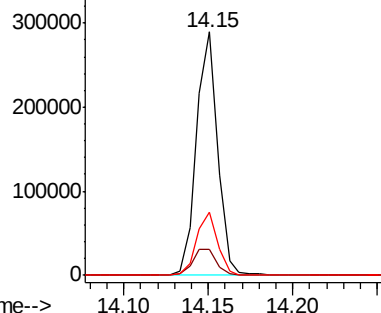


Abundance

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: 85.793 ng

RT: 13.09 min Scan# 1871

Delta R.T. 0.01 min

Lab File: BF110135.D

Acq: 25 Oct 2018 1:26

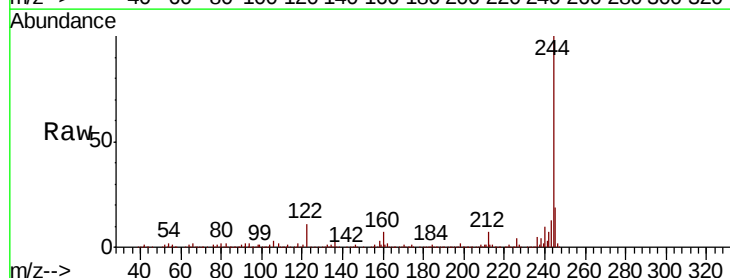
Tgt Ion:244 Resp: 1040539

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

122 10.5 8.7 13.1

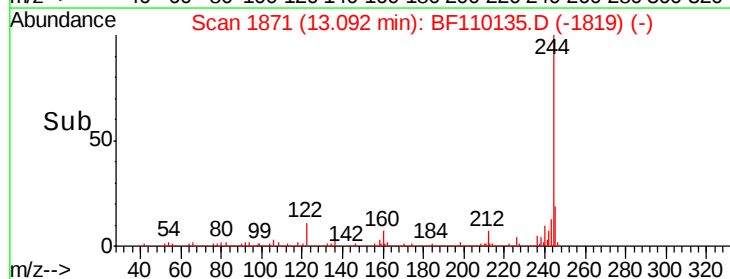
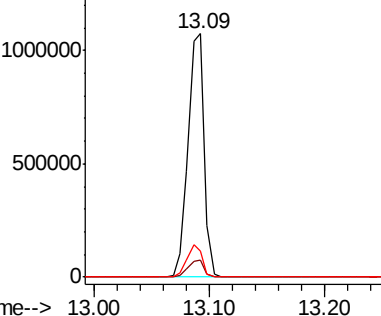


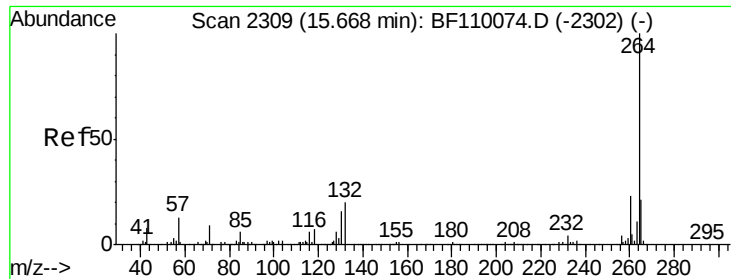
Abundance

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

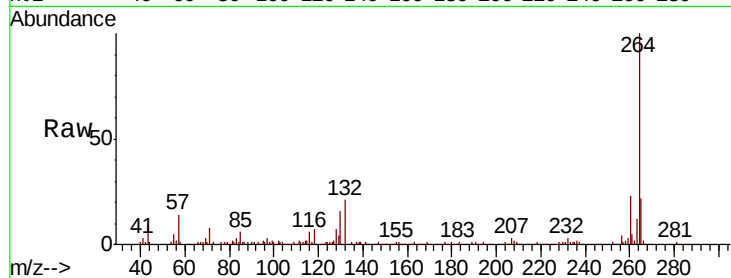




#87  
Pervlone-d12  
Concen: 20.000 ng  
RT: 15.67 min Scan# 2310  
Delta R.T. 0.01 min  
Lab File: BF110135.D  
Acq: 25 Oct 2018 1:26

Instrument :  
BNA\_F  
ClientSampleId :  
102218-JETT-F-D-S

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.3  | 18.7  | 28.1  |
| 265     | 21.6  | 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

