

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF121218\  
 Data File : BF111355.D  
 Acq On : 13 Dec 2018 7:07  
 Operator : JU/SJ  
 Sample : J6326-03  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 120618-JETT-F-U-B

Quant Time: Dec 13 07:39:24 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF121218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 12 13:16:52 2018  
 Response via : Initial Calibration

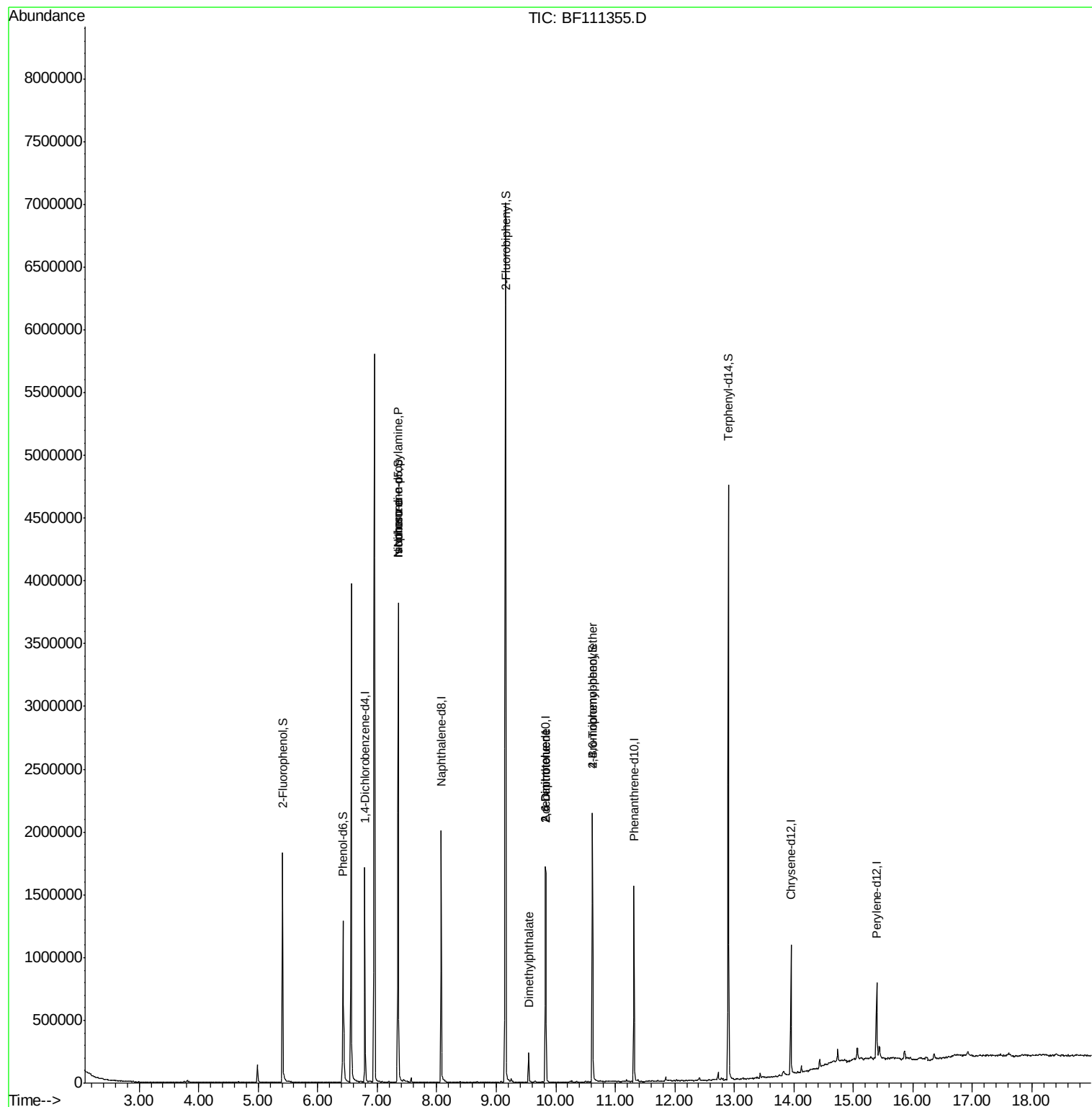
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.79  | 152  | 233953   | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.07  | 136  | 861261   | 20.00     | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.83  | 164  | 356370   | 20.00     | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.32 | 188  | 612417   | 20.00     | ng    | 0.00     |
| 76) Chrysene-d12               | 13.95 | 240  | 370451   | 20.00     | ng    | 0.00     |
| 87) Perylene-d12               | 15.39 | 264  | 294426   | 20.00     | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.41  | 112  | 513693   | 37.13     | ng    | 0.00     |
| 7) Phenol-d6                   | 6.42  | 99   | 416669   | 22.34     | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.35  | 82   | 1332178  | 87.18     | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol       | 10.62 | 330  | 220176   | 70.09     | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.16  | 172  | 2229895  | 100.46    | ng    | 0.00     |
| 79) Terphenyl-d14              | 12.90 | 244  | 1737530  | 103.23    | ng    | 0.00     |
| Target Compounds               |       |      |          |           |       |          |
| 9) Benzaldehyde                | 6.43  | 77   | 935      | Below Cal |       | Qvalue   |
| 19) n-Nitroso-di-n-propylamine | 7.35  | 70   | 170059   | 13.720    | ng    | # 1      |
| 25) Isophorone                 | 7.35  | 82   | 1311271  | 50.519    | ng    | # 78     |
| 50) Dimethylphthalate          | 9.55  | 163  | 95064    | 3.710     | ng    | # 64     |
| 51) 2,6-Dinitrotoluene         | 9.83  | 165  | 45297    | 7.974     | ng    | # 97     |
| 57) 2,4-Dinitrotoluene         | 9.83  | 165  | 45297    | 6.222     | ng    | # 29     |
| 67) 4-Bromophenyl-phenylether  | 10.62 | 248  | 14676    | 2.153     | ng    | # 25     |
|                                |       |      |          |           |       | # 1      |

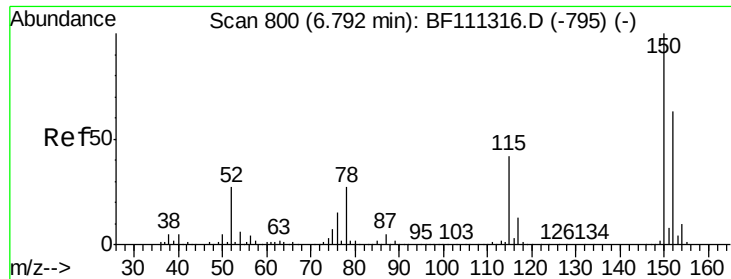
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF121218\  
Data File : BF111355.D  
Acq On : 13 Dec 2018 7:07  
Operator : JU/SJ  
Sample : J6326-03  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
120618-JETT-F-U-B

Quant Time: Dec 13 07:39:24 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF121218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 12 13:16:52 2018  
Response via : Initial Calibration



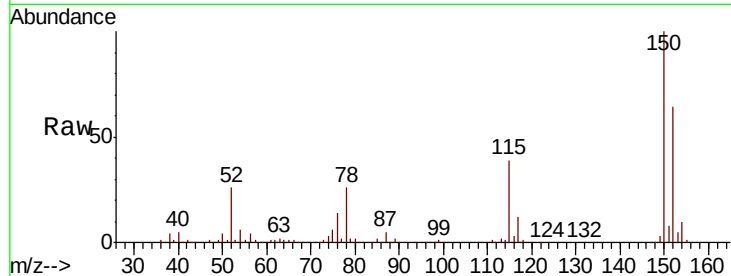


#1

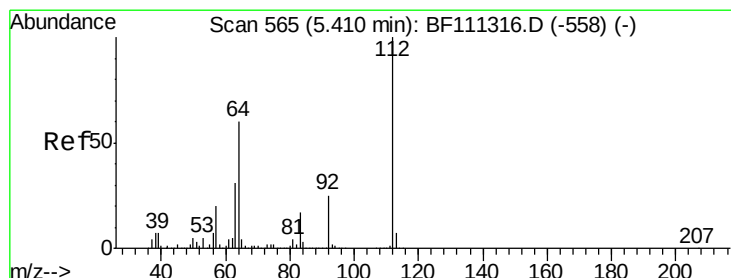
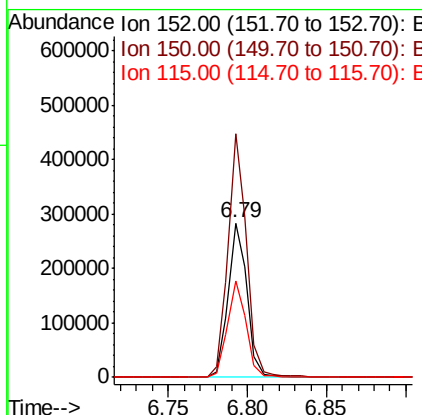
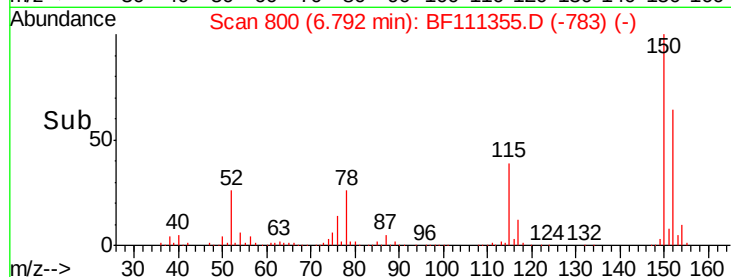
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.79 min Scan# 800  
 Delta R.T. -0.00 min  
 Lab File: BF111355.D  
 Acq: 13 Dec 2018 7:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 120618-JETT-F-U-B

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.5 | 126.6 | 189.8 |
| 115     | 62.1  | 50.7  | 76.1  |



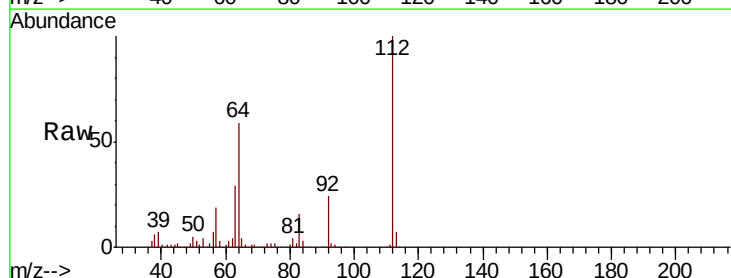
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



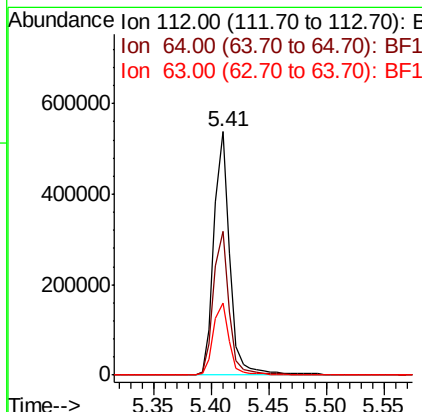
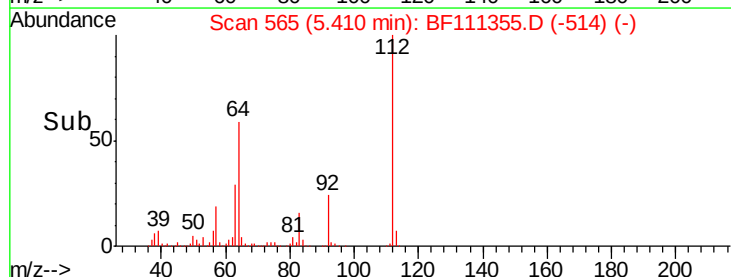
#5

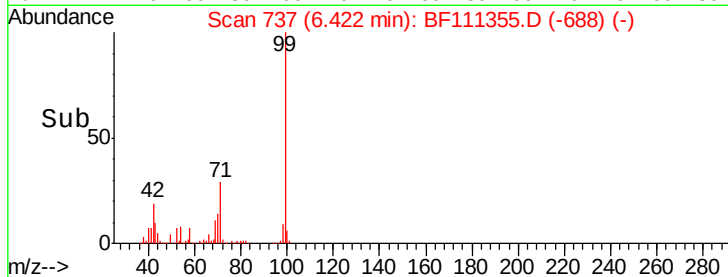
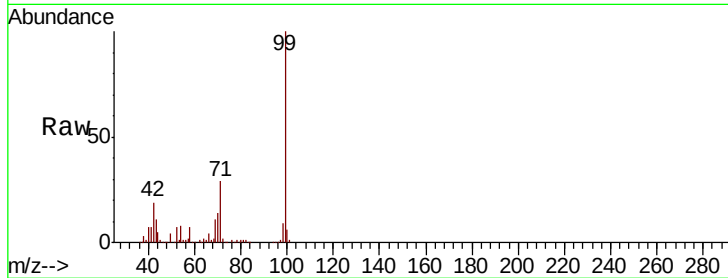
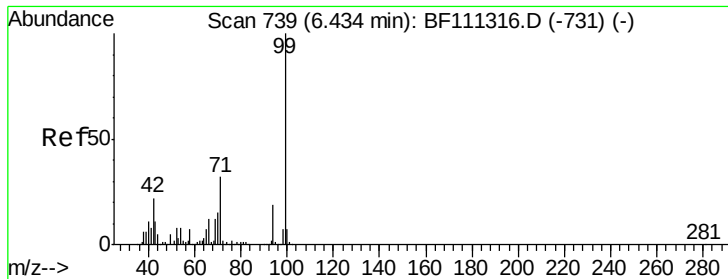
2-Fluorophenol  
 Concen: 37.130 ng  
 RT: 5.41 min Scan# 565  
 Delta R.T. 0.00 min  
 Lab File: BF111355.D  
 Acq: 13 Dec 2018 7:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 58.9  | 51.8  | 77.6  |
| 63      | 29.5  | 26.8  | 40.2  |



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: 22.338 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF111355.D

Acq: 13 Dec 2018 7:07

Instrument :

BNA\_F

ClientSampleId :

120618-JETT-F-U-B

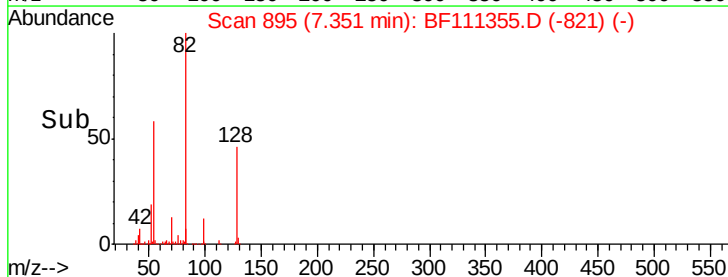
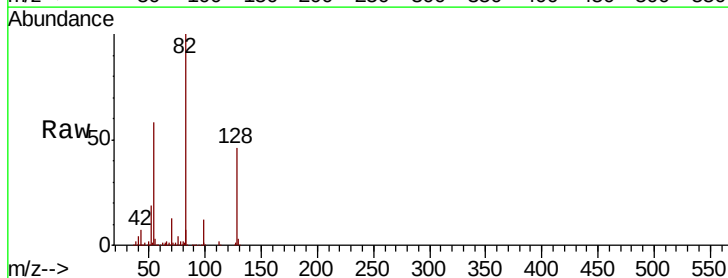
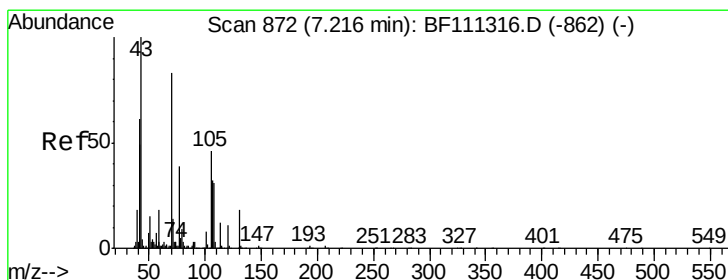
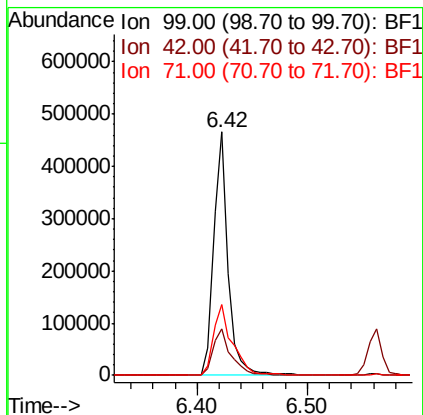
Tgt Ion: 99 Resp: 416669

Ion Ratio Lower Upper

99 100

42 19.1 17.4 26.0

71 29.2 26.1 39.1



#19

n-Nitroso-di-n-propylamine

Concen: 13.720 ng

RT: 7.35 min Scan# 895

Delta R.T. 0.14 min

Lab File: BF111355.D

Acq: 13 Dec 2018 7:07

Tgt Ion: 70 Resp: 170059

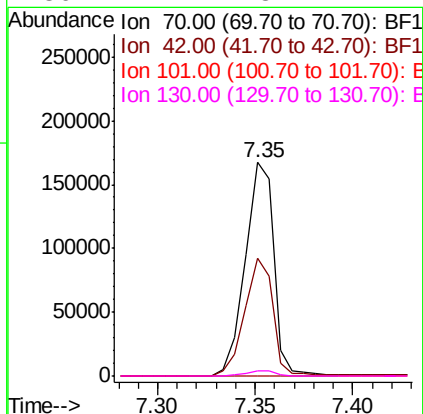
Ion Ratio Lower Upper

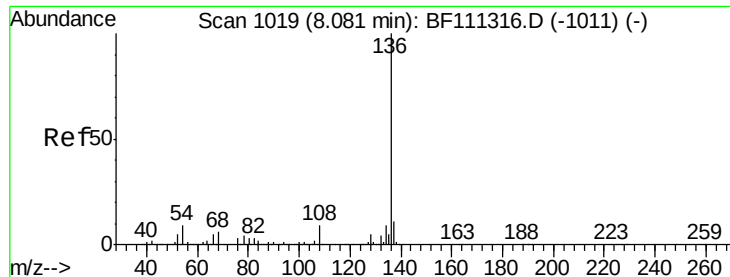
70 100

42 55.3 53.2 79.8

101 0.0 8.2 12.4#

130 2.1 18.1 27.1#

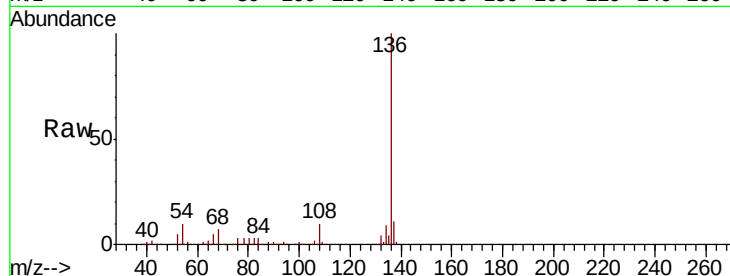




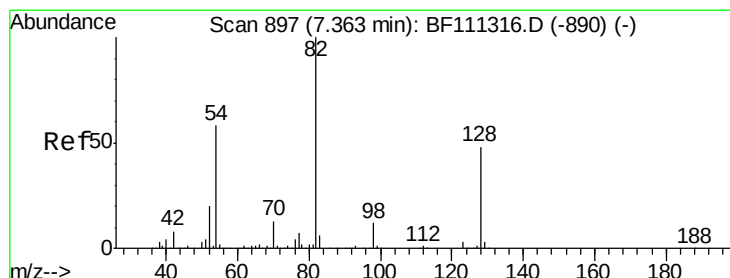
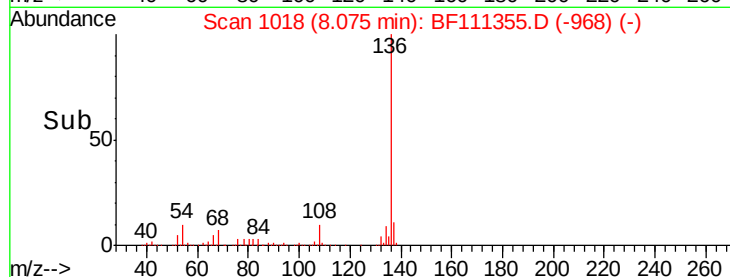
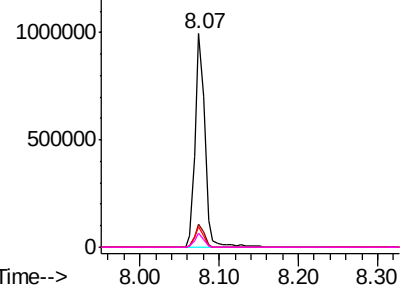
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.07 min Scan# 1018  
Delta R.T. -0.01 min  
Lab File: BF111355.D  
Acq: 13 Dec 2018 7:07

Instrument :  
BNA\_F  
ClientSampleId :  
120618-JETT-F-U-B

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 861261 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.1  | 9.1   | 13.7   |
| 54       | 9.7   | 7.7   | 11.5   |
| 68       | 6.7   | 4.9   | 7.3    |

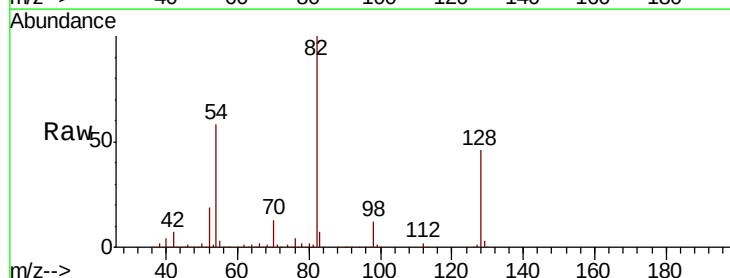


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

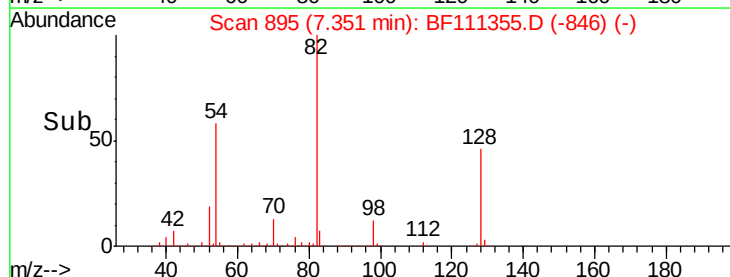
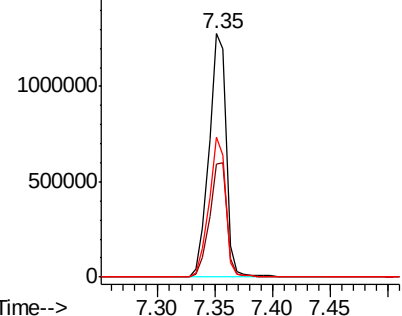


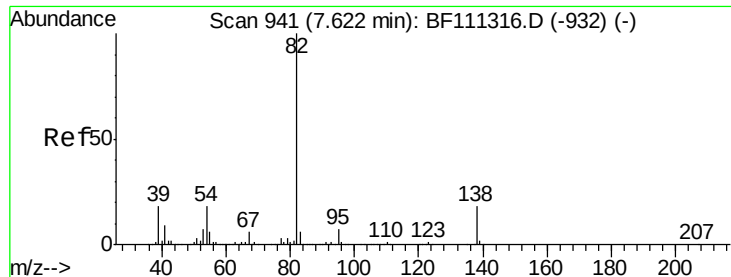
#23  
Nitrobenzene-d5  
Concen: 87.181 ng  
RT: 7.35 min Scan# 895  
Delta R.T. -0.01 min  
Lab File: BF111355.D  
Acq: 13 Dec 2018 7:07

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 82    | Resp: | 1332178 |
| Ion      | Ratio | Lower | Upper   |
| 82       | 100   |       |         |
| 128      | 46.2  | 37.4  | 56.2    |
| 54       | 57.7  | 47.6  | 71.4    |



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





#25

Isophorone

Concen: 50.519 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.27 min

Lab File: BF111355.D

Acq: 13 Dec 2018 7:07

Instrument :

BNA\_F

ClientSampleId :

120618-JETT-F-U-B

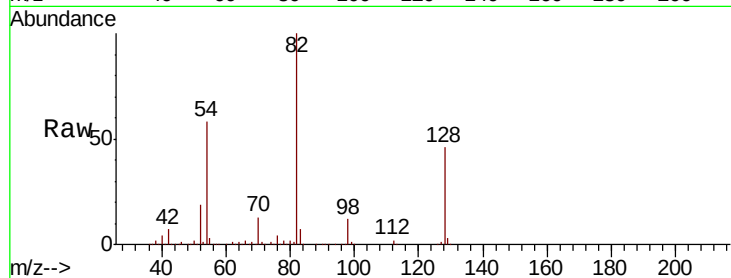
Tgt Ion: 82 Resp: 1311271

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

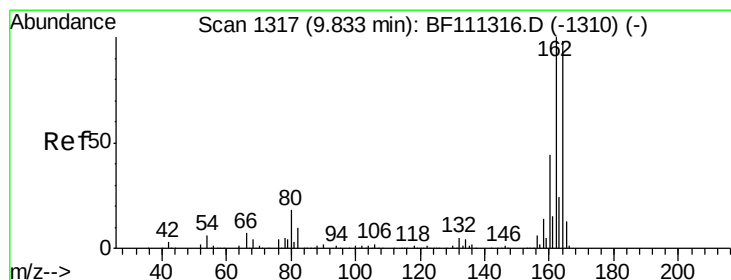
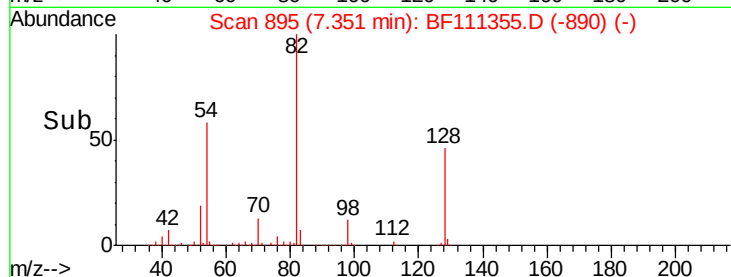
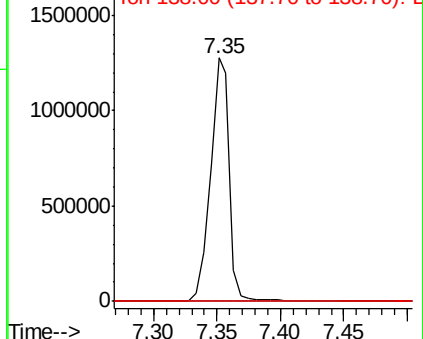
138 0.0 15.1 22.7#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF111355.D

Acq: 13 Dec 2018 7:07

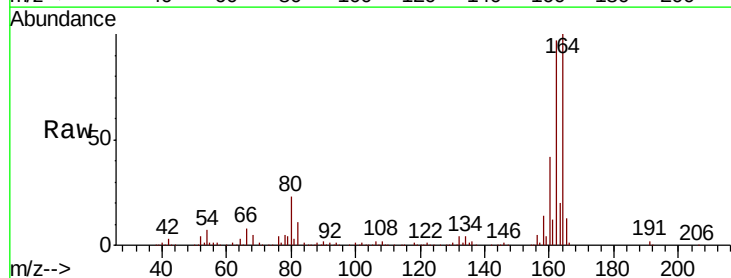
Tgt Ion: 164 Resp: 356370

Ion Ratio Lower Upper

164 100

162 97.2 81.4 122.0

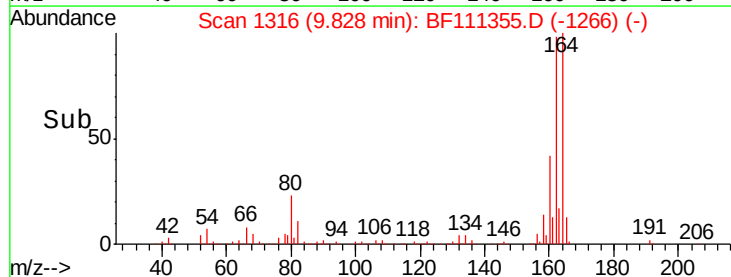
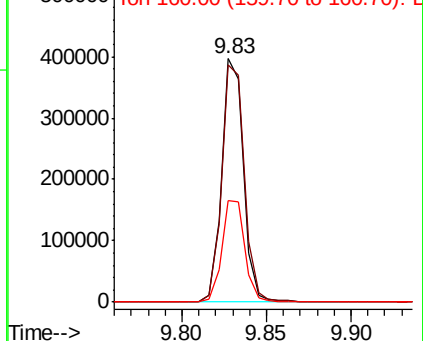
160 41.7 35.7 53.5

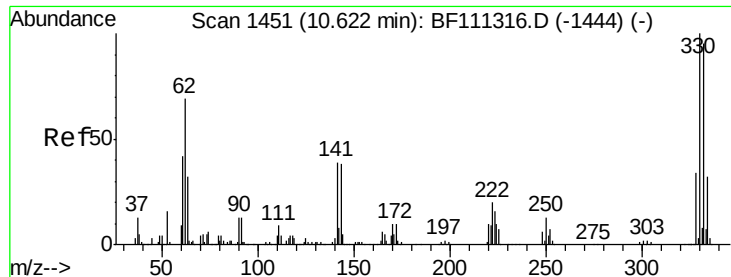


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

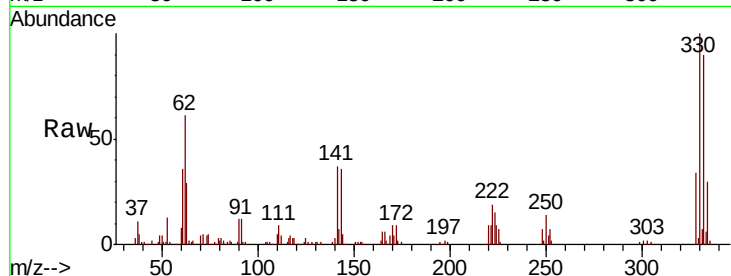




#42  
 2,4,6-Tribromophenol  
 Concen: 70.087 ng  
 RT: 10.62 min Scan# 1450  
 Delta R.T. -0.01 min  
 Lab File: BF111355.D  
 Acq: 13 Dec 2018 7:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 120618-JETT-F-U-B

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.6  | 76.0  | 114.0 |
| 141     | 37.9  | 31.0  | 46.6  |

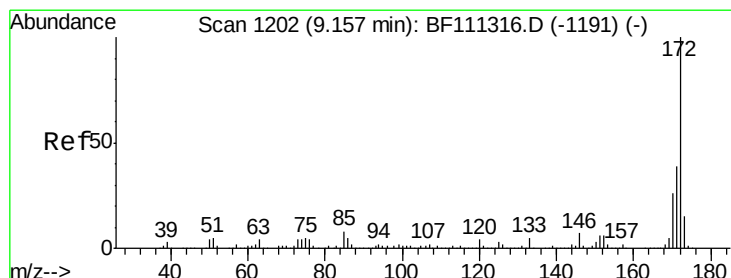
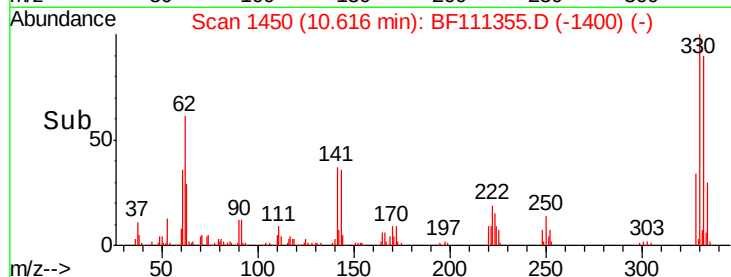
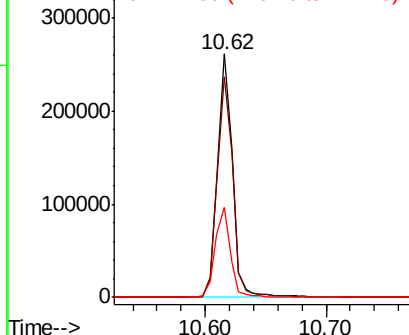


Abundance

Ion 329.80 (329.50 to 330.50): E

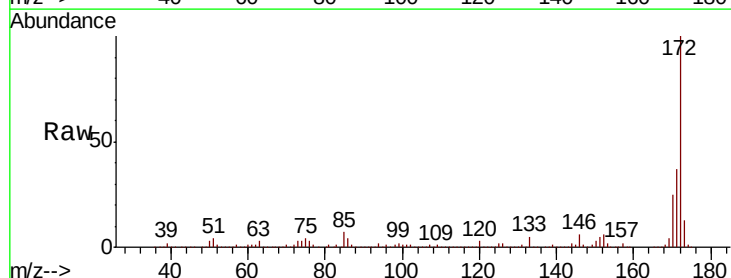
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 100.459 ng  
 RT: 9.16 min Scan# 1202  
 Delta R.T. -0.00 min  
 Lab File: BF111355.D  
 Acq: 13 Dec 2018 7:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.2  | 33.0  | 49.4  |
| 170     | 25.0  | 22.3  | 33.5  |

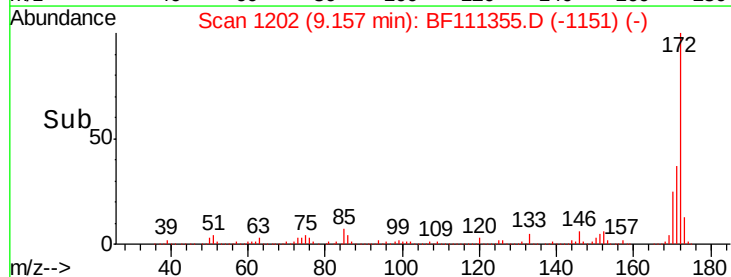
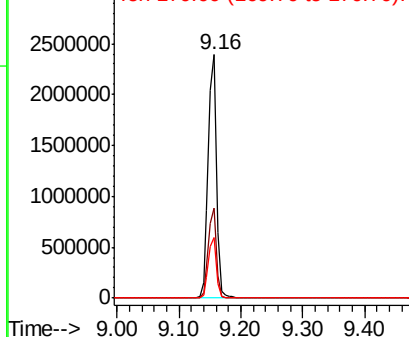


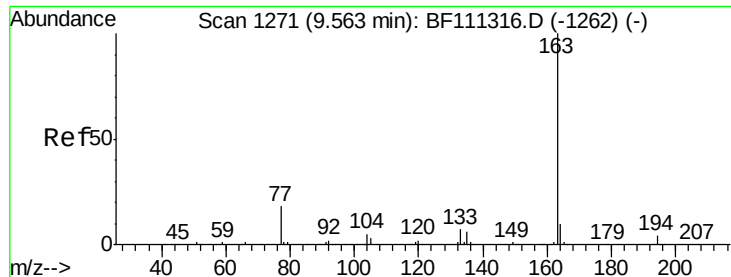
Abundance

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

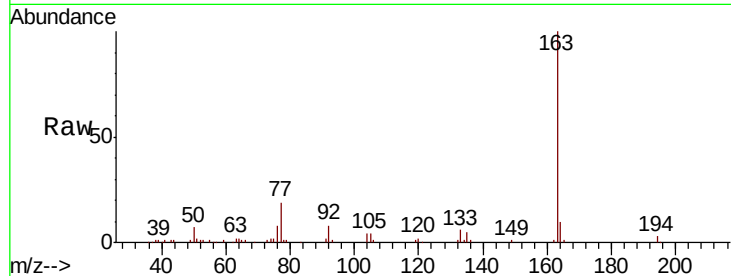




#50  
Dimethylphthalate  
Concen: 3.710 ng  
RT: 9.55 min Scan# 1268  
Delta R.T. -0.02 min  
Lab File: BF111355.D  
Acq: 13 Dec 2018 7:07

Instrument :  
BNA\_F  
ClientSampleId :  
120618-JETT-F-U-B

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.3   | 3.0   | 4.6   |
| 164     | 9.6   | 8.9   | 13.3  |

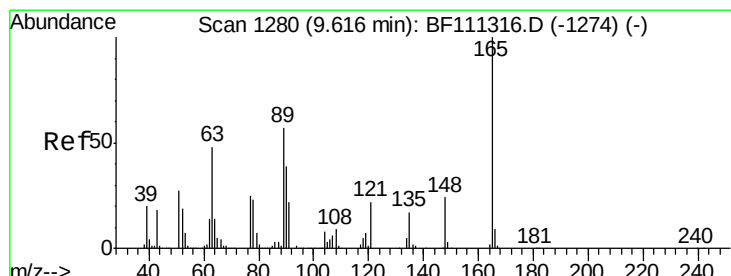
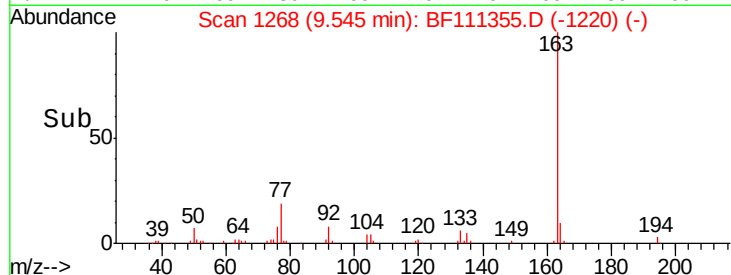
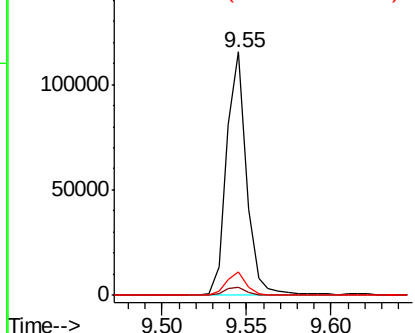


Abundance

Ion 163.00 (162.70 to 163.70): E

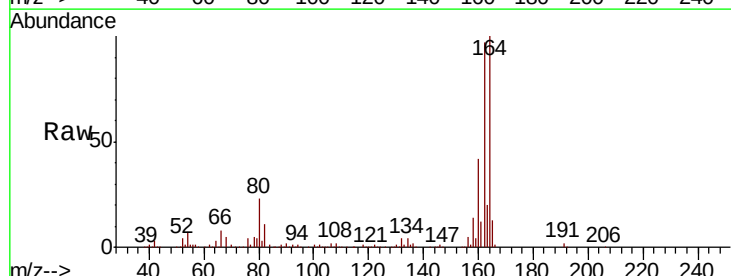
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51  
2,6-Dinitrotoluene  
Concen: 7.974 ng  
RT: 9.83 min Scan# 1316  
Delta R.T. 0.21 min  
Lab File: BF111355.D  
Acq: 13 Dec 2018 7:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.8   | 40.5  | 60.7# |
| 89      | 0.9   | 40.0  | 60.0# |

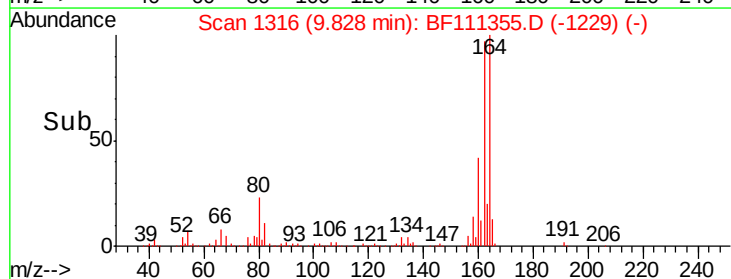
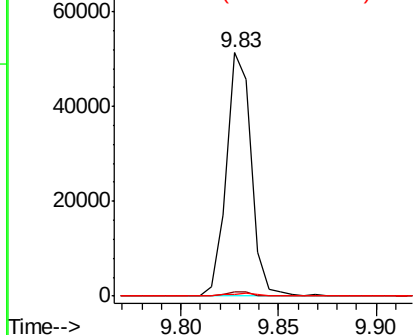


Abundance

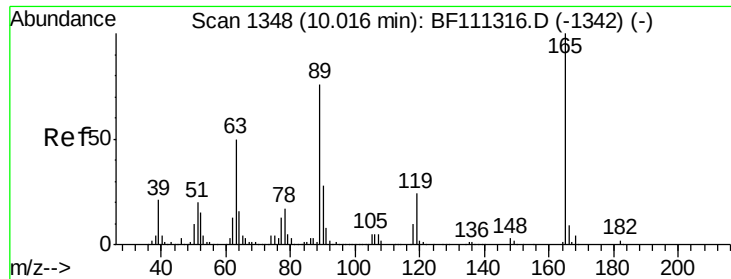
Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



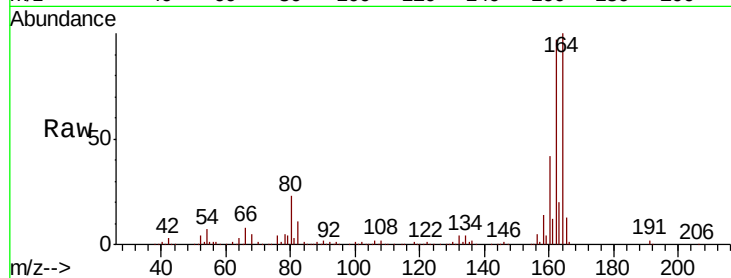




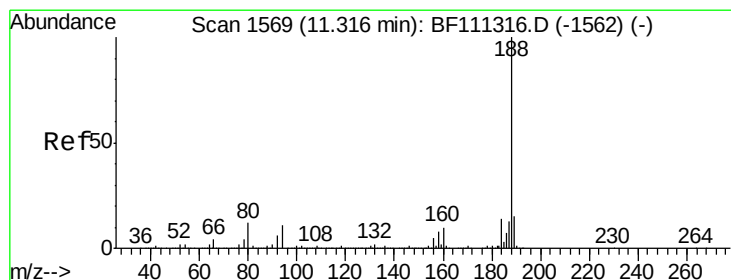
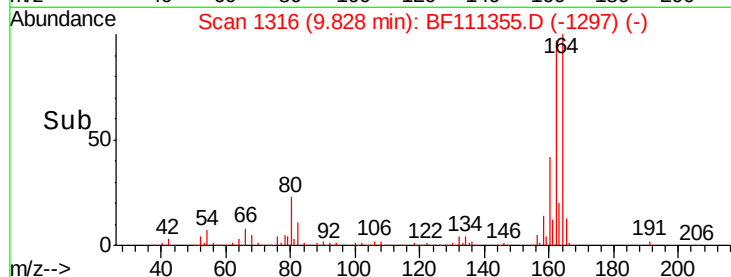
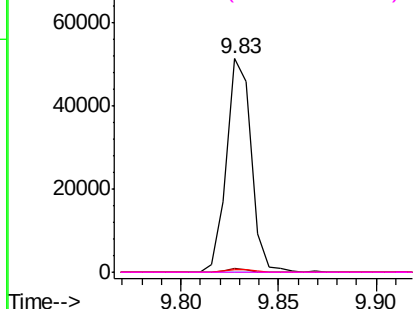
#57  
 2,4-Dinitrotoluene  
 Concen: 6.222 ng  
 RT: 9.83 min Scan# 1316  
 Delta R.T. -0.19 min  
 Lab File: BF111355.D  
 Acq: 13 Dec 2018 7:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 120618-JETT-F-U-B

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 165   | Resp: | 45297 |
| Ion      | Ratio | Lower | Upper |
| 165      | 100   |       |       |
| 63       | 1.8   | 34.6  | 52.0# |
| 89       | 0.9   | 56.2  | 84.4# |
| 182      | 0.0   | 1.8   | 2.6#  |

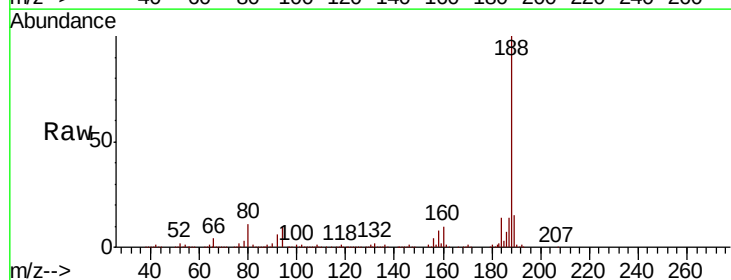


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1  
 Ion 182.00 (181.70 to 182.70): E

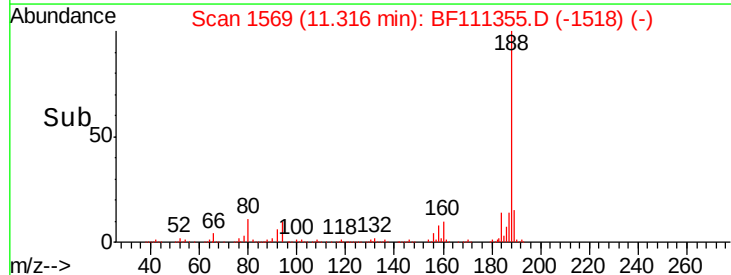
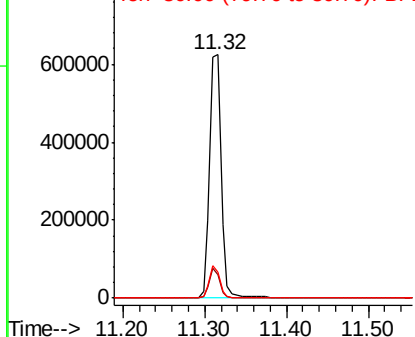


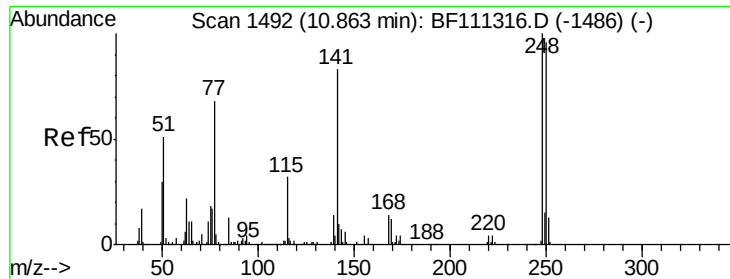
#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.32 min Scan# 1569  
 Delta R.T. -0.00 min  
 Lab File: BF111355.D  
 Acq: 13 Dec 2018 7:07

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 612417 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 9.8   | 9.6   | 14.4   |
| 80       | 10.7  | 9.8   | 14.6   |



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

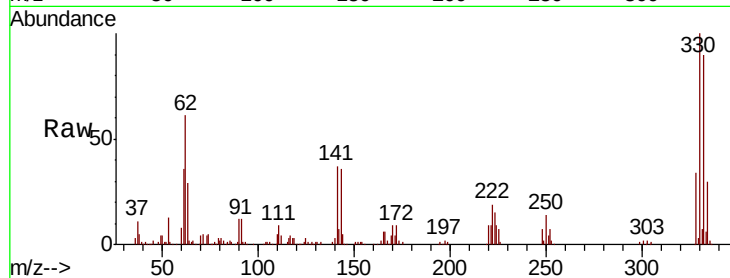




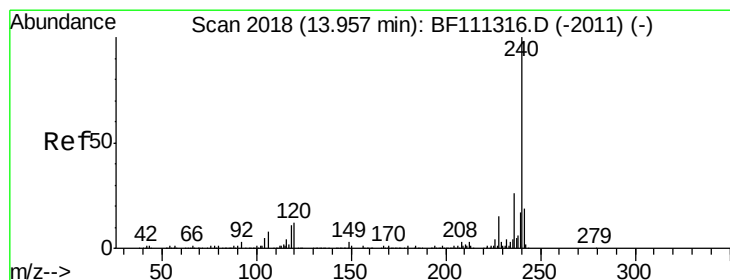
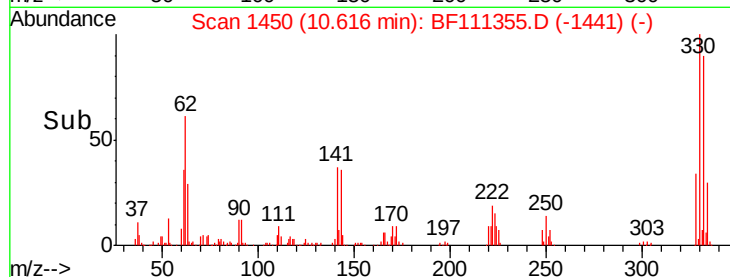
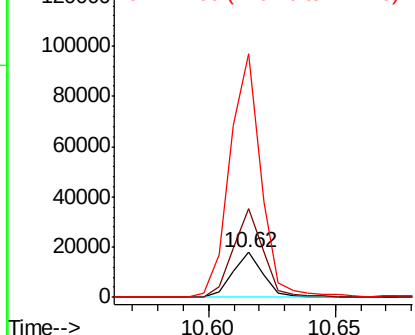
#67  
4-Bromophenyl-phenylether  
Concen: 2.153 ng  
RT: 10.62 min Scan# 1450  
Delta R.T. -0.25 min  
Lab File: BF111355.D  
Acq: 13 Dec 2018 7:07

Instrument :  
BNA\_F  
ClientSampleId :  
120618-JETT-F-U-B

Tgt Ion:248 Resp: 14676  
Ion Ratio Lower Upper  
248 100  
250 197.7 77.0 115.4#  
141 538.9 63.0 94.6#

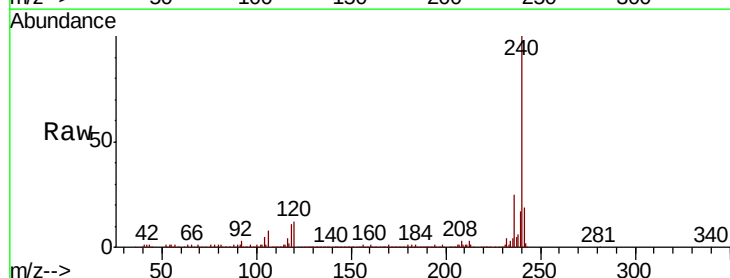


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

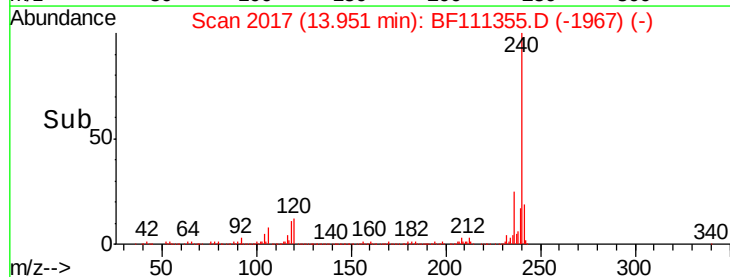
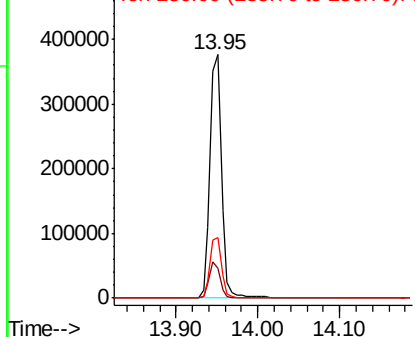


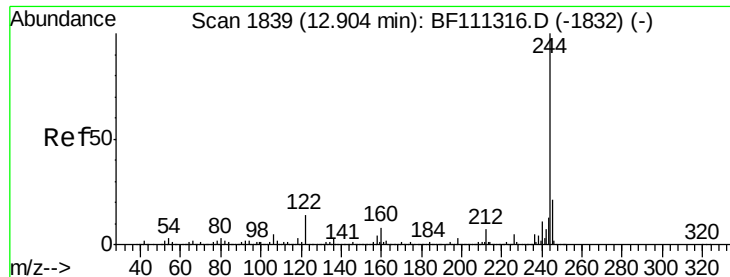
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.95 min Scan# 2017  
Delta R.T. -0.01 min  
Lab File: BF111355.D  
Acq: 13 Dec 2018 7:07

Tgt Ion:240 Resp: 370451  
Ion Ratio Lower Upper  
240 100  
120 12.4 12.2 18.2  
236 24.9 20.2 30.2



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: 103.231 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.00 min

Lab File: BF111355.D

Acq: 13 Dec 2018 7:07

Instrument :

BNA\_F

ClientSampleId :

120618-JETT-F-U-B

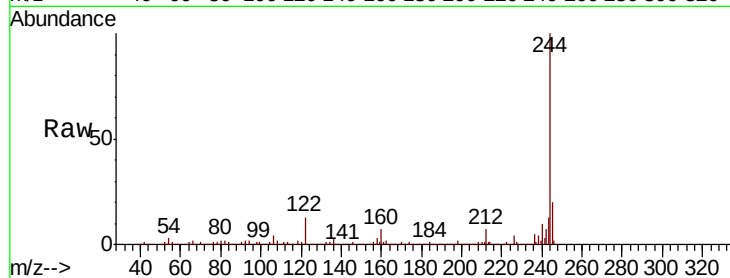
Tgt Ion:244 Resp: 1737530

Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

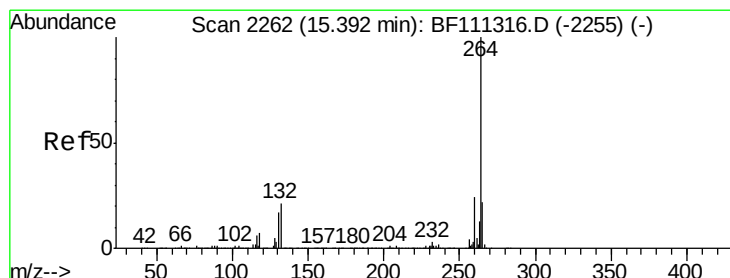
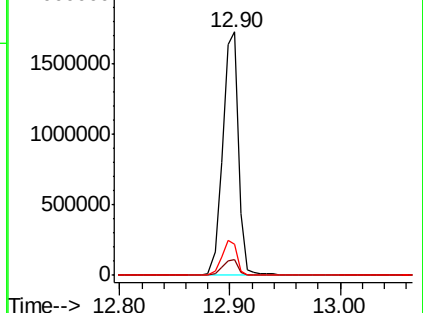
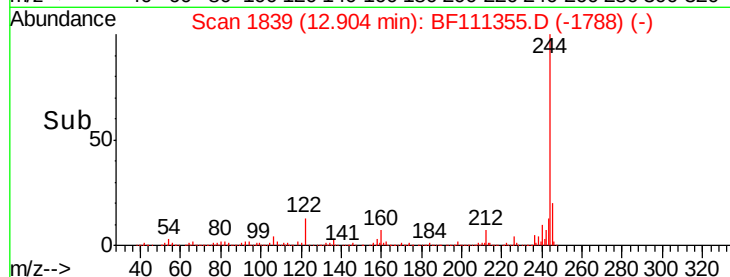
122 12.7 13.1 19.7#



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: 15.39 min Scan# 2262

Delta R.T. -0.00 min

Lab File: BF111355.D

Acq: 13 Dec 2018 7:07

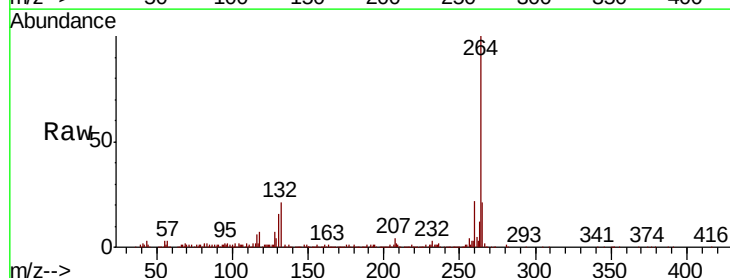
Tgt Ion:264 Resp: 294426

Ion Ratio Lower Upper

264 100

260 22.1 18.3 27.5

265 20.6 17.7 26.5



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

