

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122018\  
 Data File : BF111673.D  
 Acq On : 21 Dec 2018 7:35  
 Operator : JU/SJ  
 Sample : J6478-03  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 121718-JETT-E-U-B

Quant Time: Dec 21 09:41:55 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 19 17:39:39 2018  
 Response via : Initial Calibration

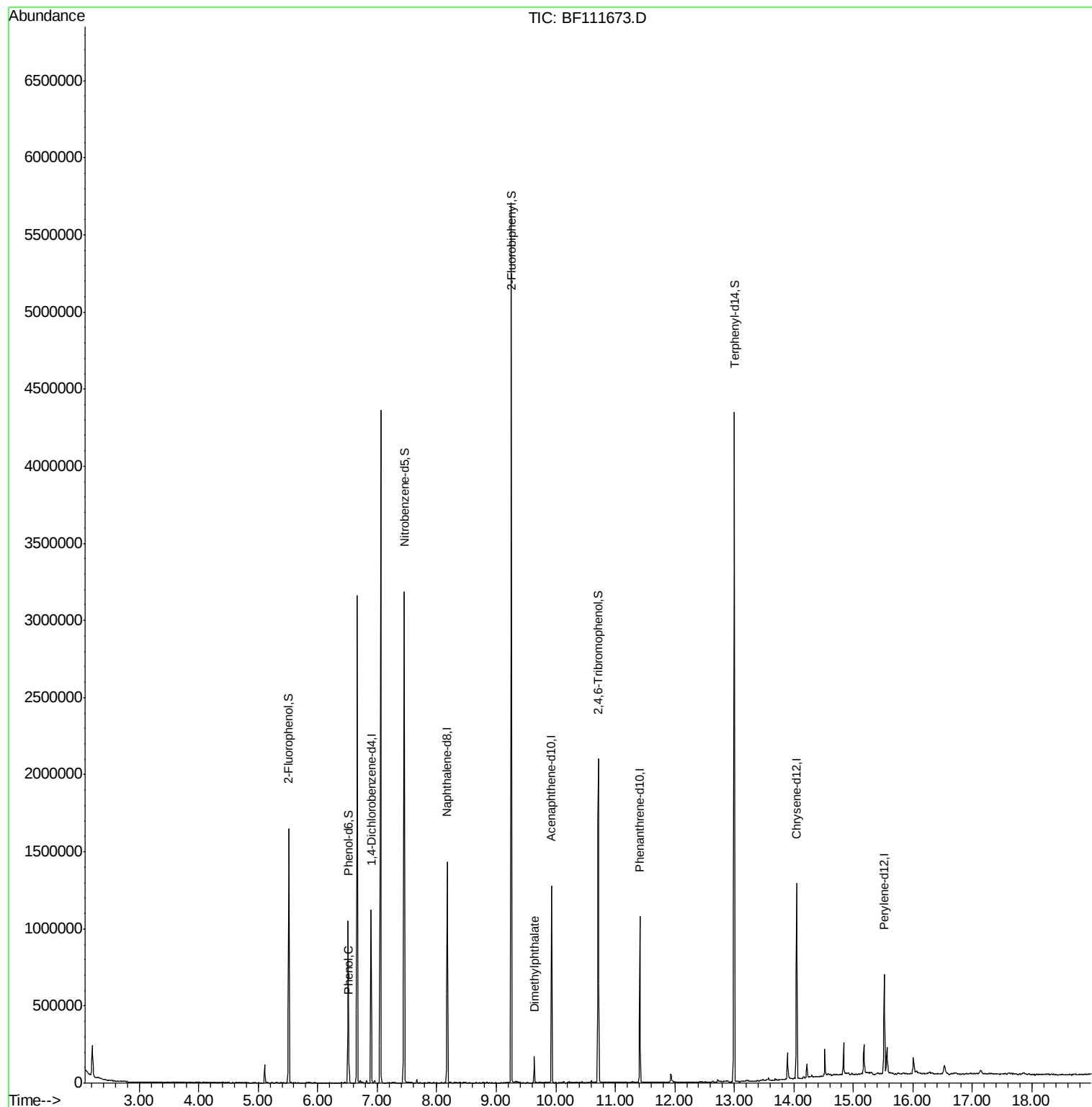
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.90  | 152  | 167015   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.17  | 136  | 582069   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.93  | 164  | 257391   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.41 | 188  | 397943   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 14.04 | 240  | 407185   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 15.52 | 264  | 300829   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.52  | 112  | 406958   | 41.53  | ng    | 0.00     |
| 7) Phenol-d6                | 6.51  | 99   | 309993   | 24.86  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.46  | 82   | 1037662  | 103.77 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.72 | 330  | 240957   | 79.23  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.25  | 172  | 1817178  | 102.90 | ng    | 0.00     |
| 79) Terphenyl-d14           | 13.00 | 244  | 1401451  | 65.27  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.53  | 94   | 30381    | 2.159  | ng    | 92       |
| 50) Dimethylphthalate       | 9.64  | 163  | 56831    | 3.019  | ng    | 98       |

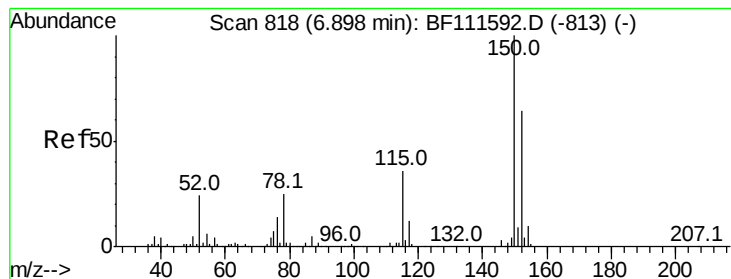
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 19 17:39:39 2018  
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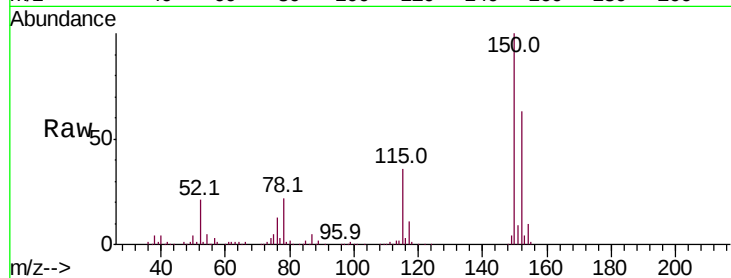


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.90 min Scan# 818  
Delta R.T. -0.00 min  
Lab File: BF111673.D  
Acq: 21 Dec 2018 7:35

Instrument :  
BNA\_F  
ClientSampleId :  
121718-JETT-E-U-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.6 | 126.6 | 189.8 |
| 115     | 56.2  | 50.7  | 76.1  |

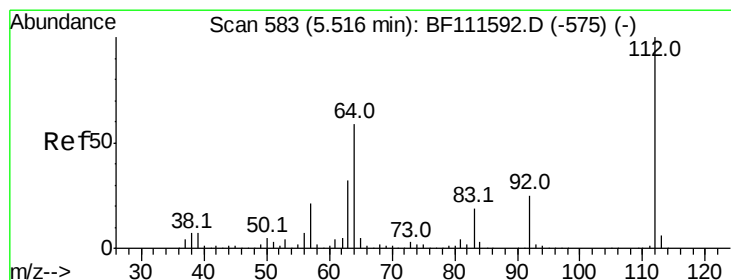
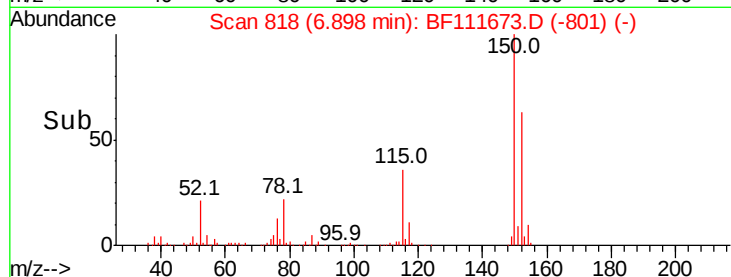
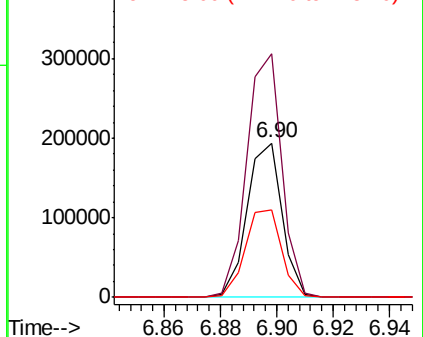


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

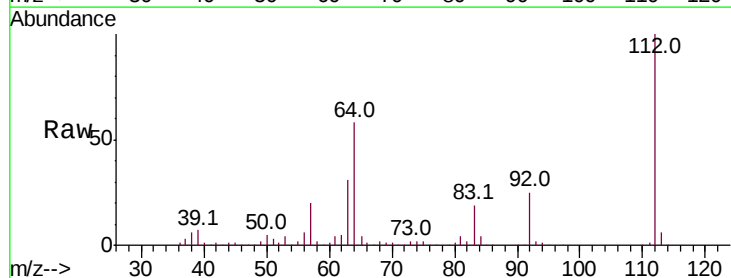
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 41.534 ng  
RT: 5.52 min Scan# 583  
Delta R.T. -0.00 min  
Lab File: BF111673.D  
Acq: 21 Dec 2018 7:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 58.0  | 51.8  | 77.6  |
| 63      | 31.5  | 26.8  | 40.2  |

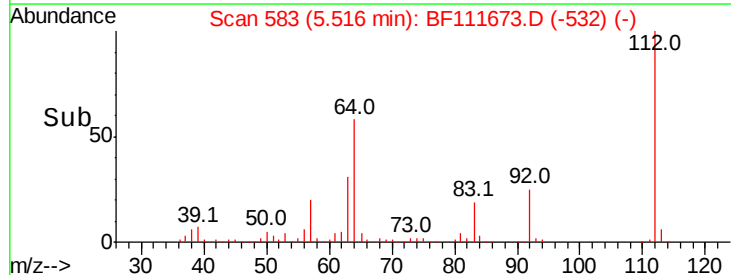
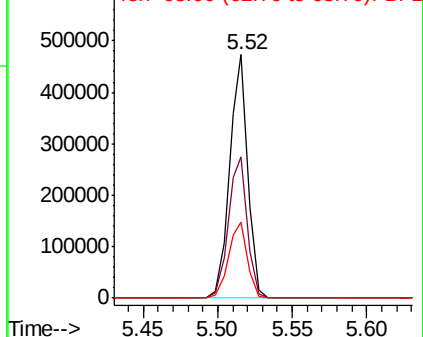


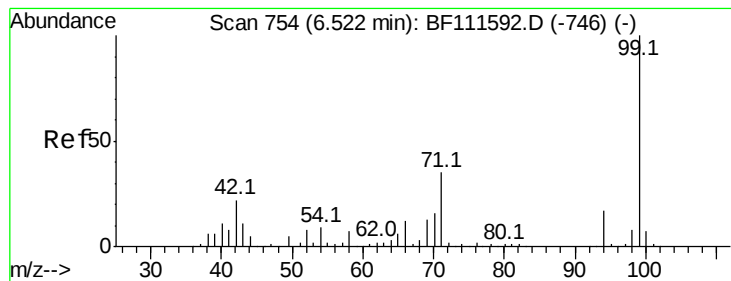
Abundance

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: 24.860 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF111673.D

Acq: 21 Dec 2018 7:35

Instrument :

BNA\_F

ClientSampleId :

121718-JETT-E-U-B

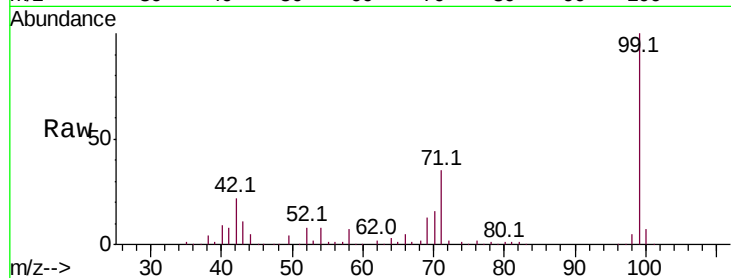
Tot Ion: 99 Resp: 309993

Ion Ratio Lower Upper

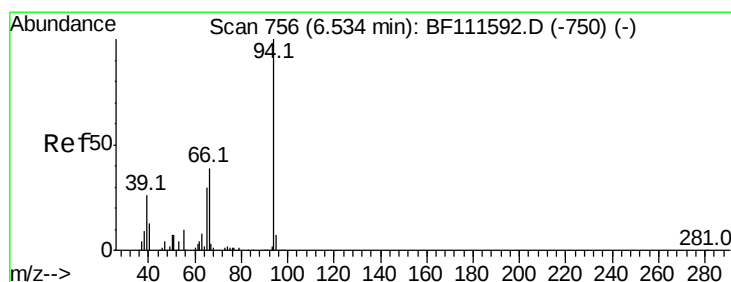
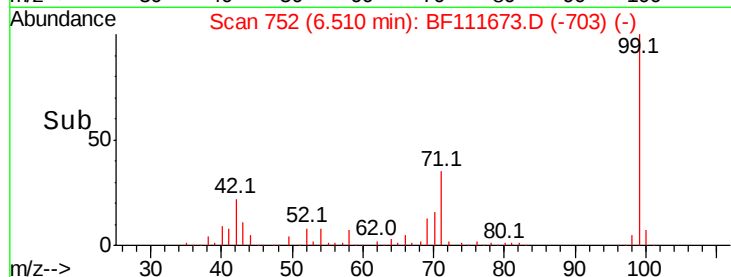
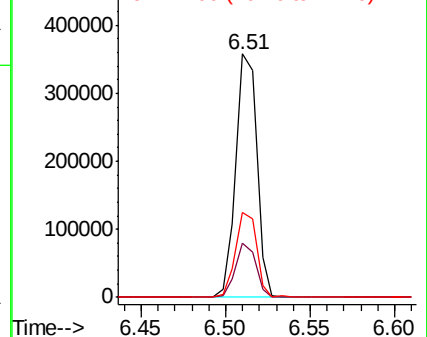
99 100

42 22.2 17.4 26.0

71 34.8 26.1 39.1



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: 2.159 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF111673.D

Acq: 21 Dec 2018 7:35

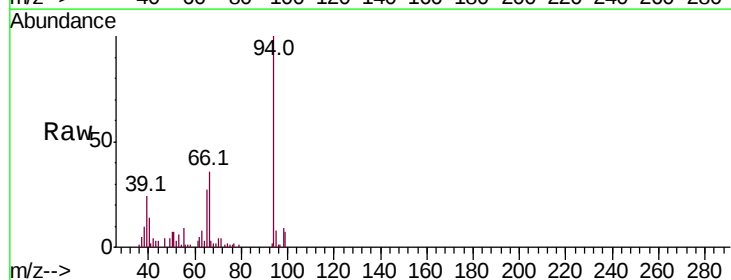
Tgt Ion: 94 Resp: 30381

Ion Ratio Lower Upper

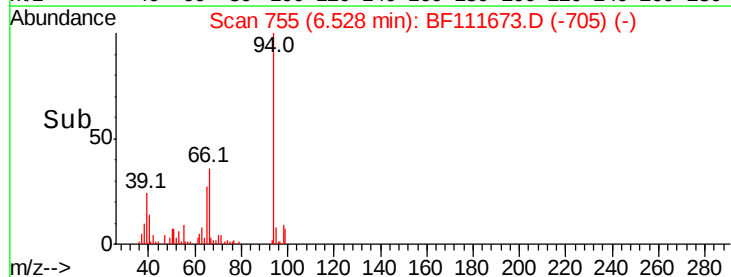
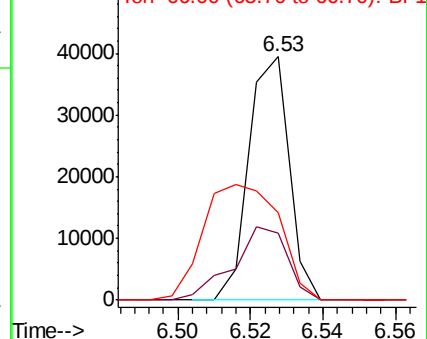
94 100

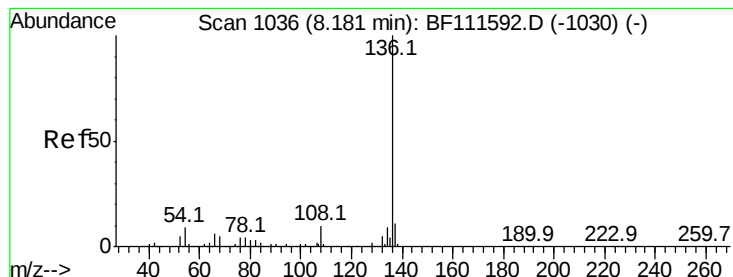
65 27.3 11.7 51.7

66 35.7 21.0 61.0



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: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF111673.D

Acq: 21 Dec 2018 7:35

Instrument :

BNA\_F

ClientSampleId :

121718-JETT-E-U-B

Tot Ion:136 Resp: 582069

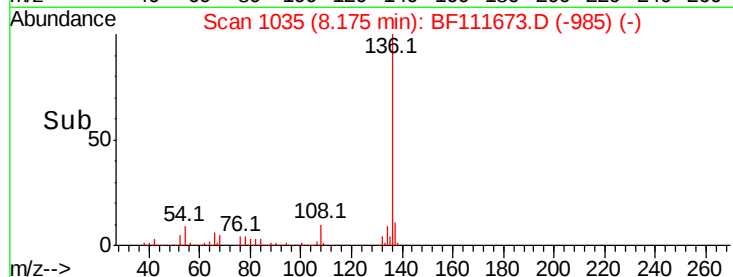
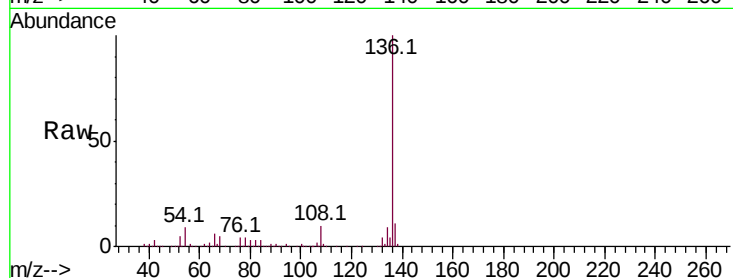
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 9.4 7.7 11.5

68 5.3 4.9 7.3

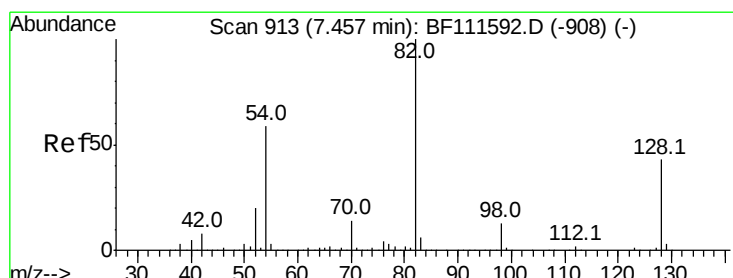
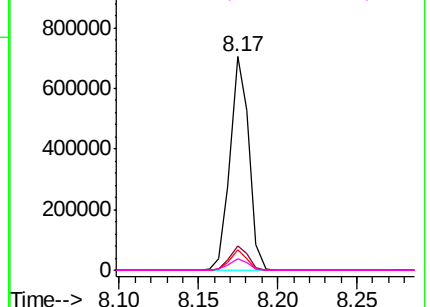


Abundance Ion 136.00 (135.70 to 136.70): E

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: 103.768 ng

RT: 7.46 min Scan# 913

Delta R.T. -0.00 min

Lab File: BF111673.D

Acq: 21 Dec 2018 7:35

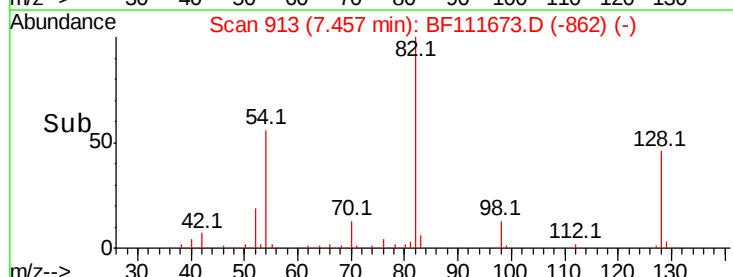
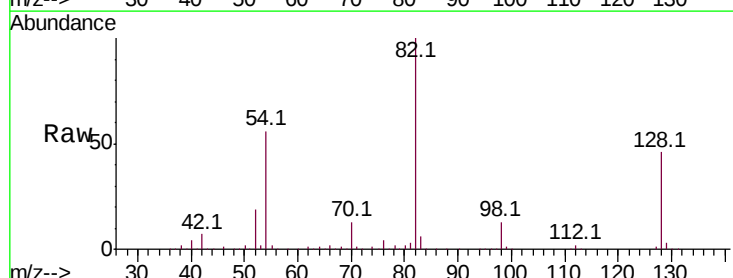
Tgt Ion: 82 Resp: 1037662

Ion Ratio Lower Upper

82 100

128 46.0 37.4 56.2

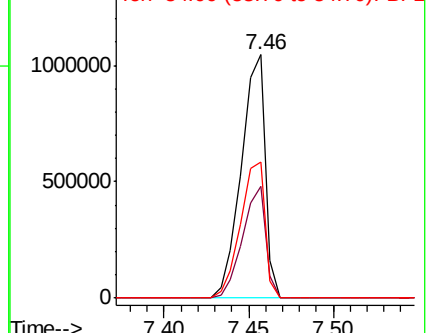
54 56.1 47.6 71.4

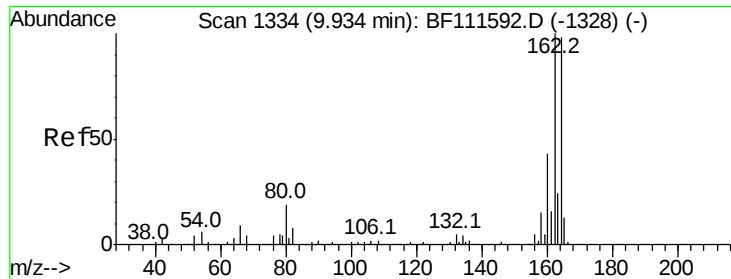


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

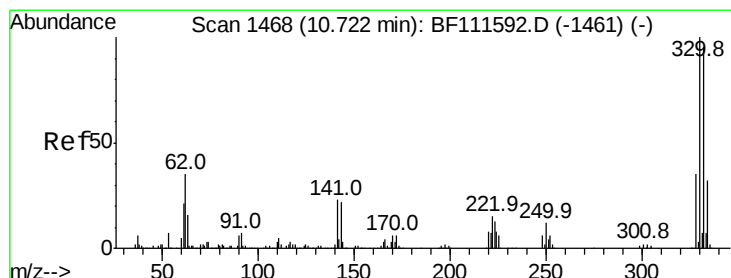
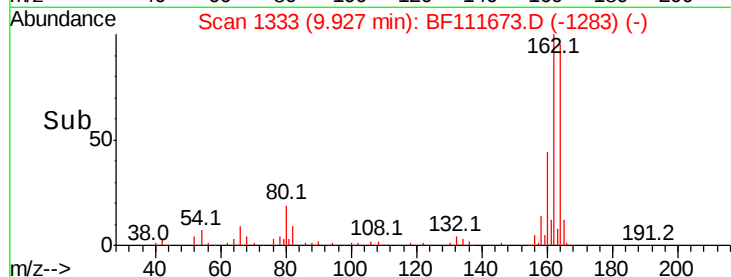
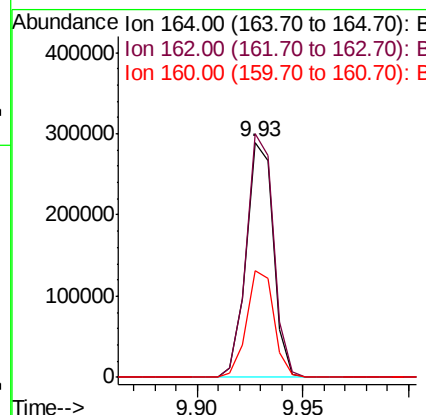
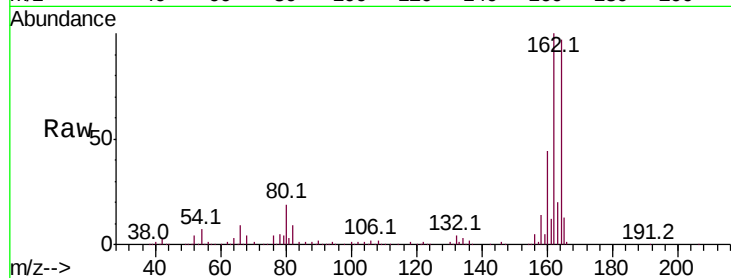




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.93 min Scan# 1333  
Delta R.T. -0.01 min  
Lab File: BF111673.D  
Acq: 21 Dec 2018 7:35

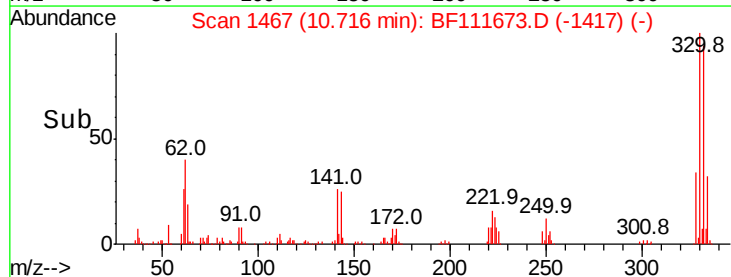
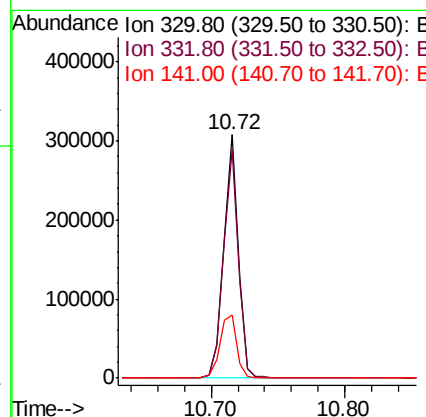
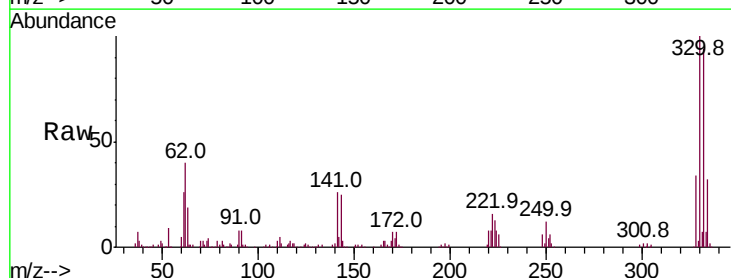
Instrument :  
BNA\_F  
ClientSampleId :  
121718-JETT-E-U-B

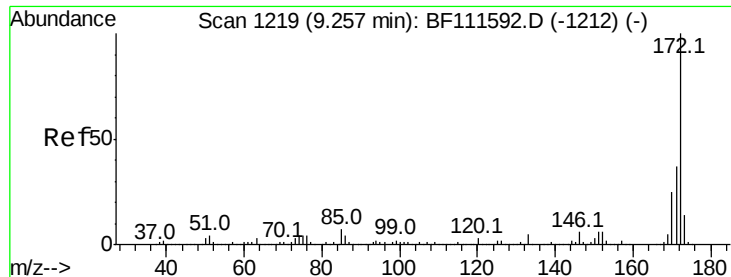
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.6 | 81.4  | 122.0 |
| 160     | 45.5  | 35.7  | 53.5  |



#42  
2,4,6-Tribromophenol  
Concen: 79.229 ng  
RT: 10.72 min Scan# 1467  
Delta R.T. -0.01 min  
Lab File: BF111673.D  
Acq: 21 Dec 2018 7:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.7  | 76.0  | 114.0 |
| 141     | 29.4  | 31.0  | 46.6# |

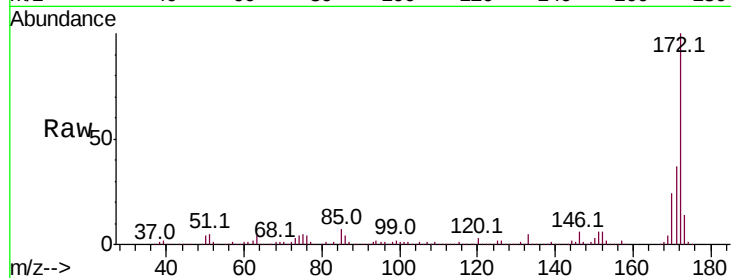




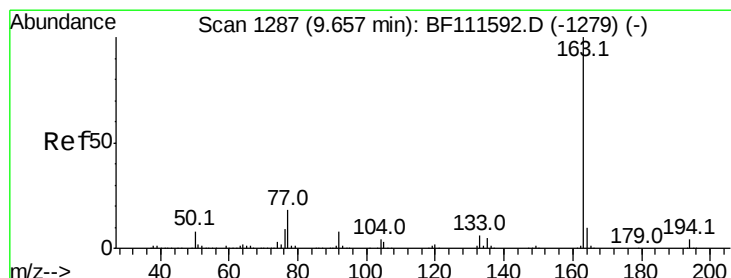
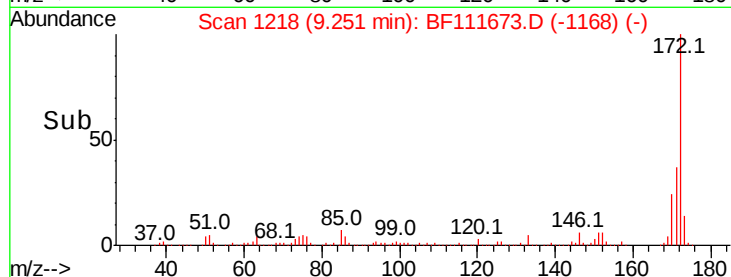
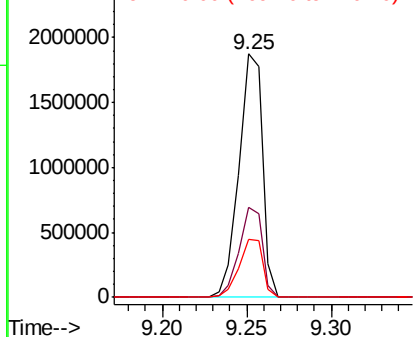
#45  
2-Fluorobiphenyl  
Concen: 102.905 ng  
RT: 9.25 min Scan# 1218  
Delta R.T. -0.01 min  
Lab File: BF111673.D  
Acq: 21 Dec 2018 7:35

Instrument :  
BNA\_F  
ClientSampleId :  
121718-JETT-E-U-B

Tot Ion:172 Resp: 1817178  
Ion Ratio Lower Upper  
172 100  
171 36.8 33.0 49.4  
170 23.8 22.3 33.5

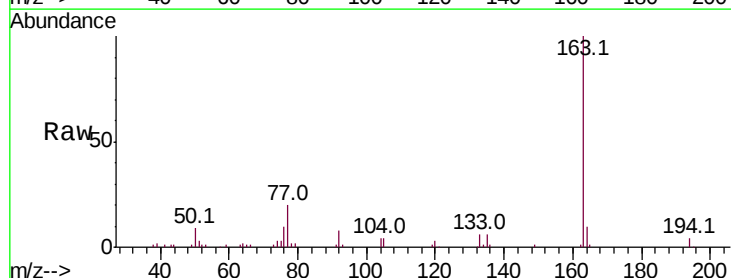


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

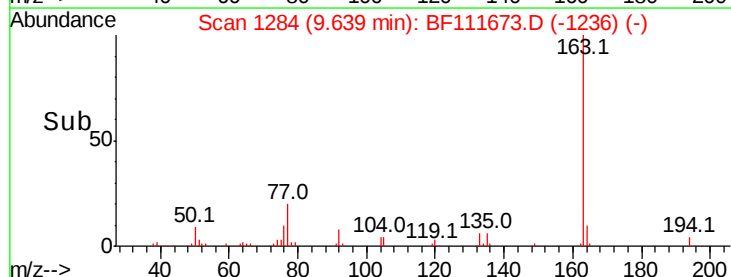
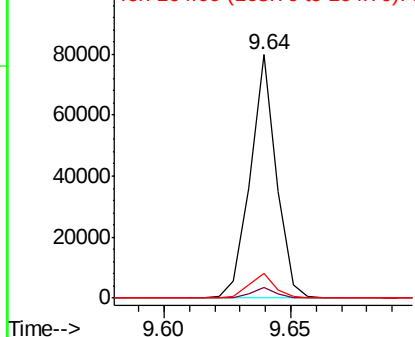


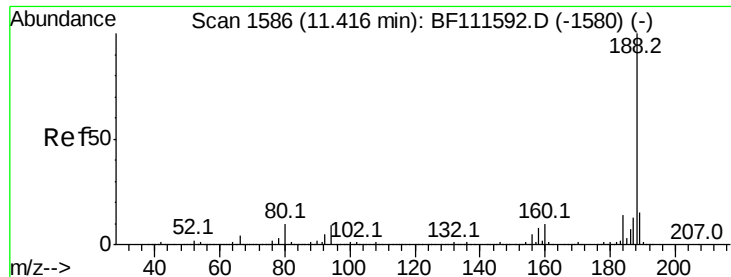
#50  
Dimethylphthalate  
Concen: 3.019 ng  
RT: 9.64 min Scan# 1284  
Delta R.T. -0.02 min  
Lab File: BF111673.D  
Acq: 21 Dec 2018 7:35

Tgt Ion:163 Resp: 56831  
Ion Ratio Lower Upper  
163 100  
194 4.2 3.0 4.6  
164 10.0 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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF111673.D

Acq: 21 Dec 2018 7:35

Instrument :

BNA\_F

ClientSampleId :

121718-JETT-E-U-B

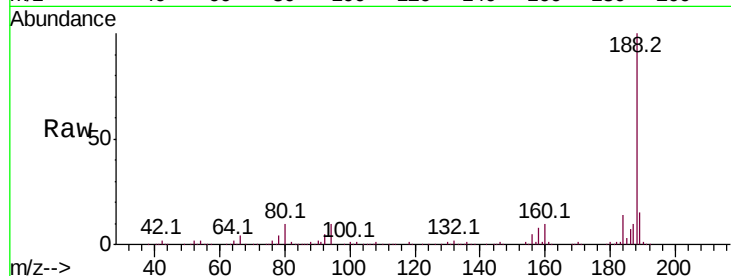
Tot Ion:188 Resp: 397943

Ion Ratio Lower Upper

188 100

94 9.6 9.6 14.4#

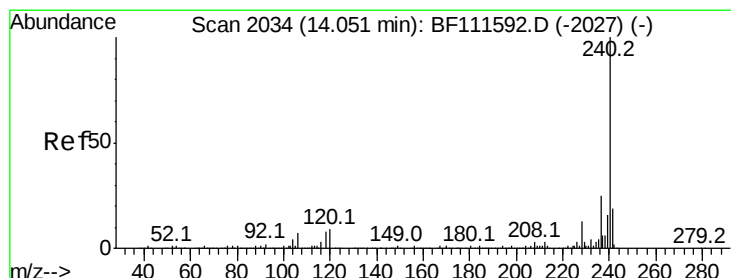
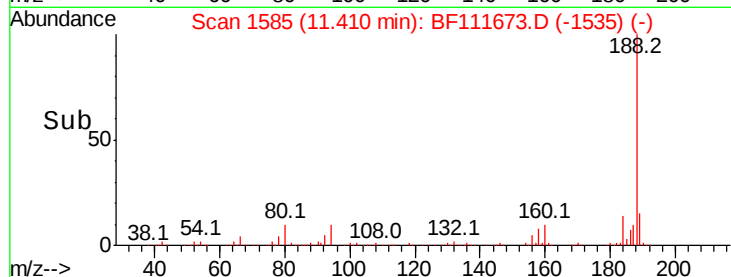
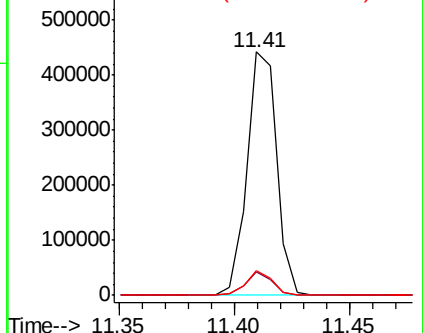
80 10.3 9.8 14.6



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF111673.D

Acq: 21 Dec 2018 7:35

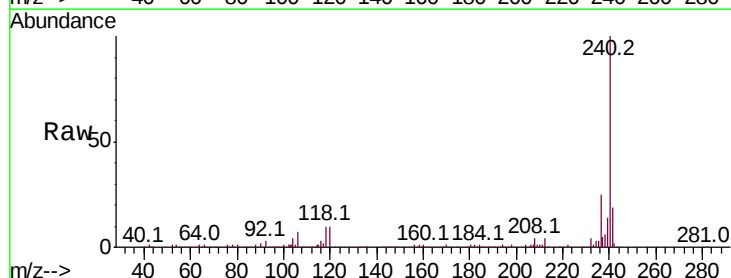
Tgt Ion:240 Resp: 407185

Ion Ratio Lower Upper

240 100

120 10.2 12.2 18.2#

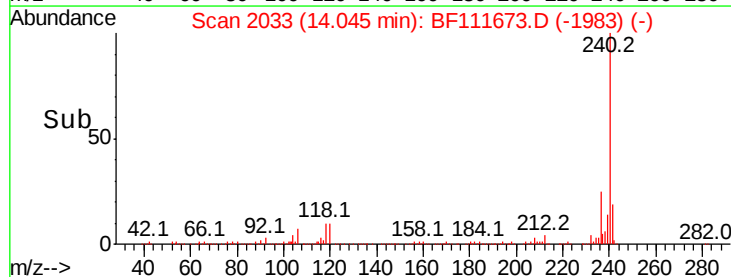
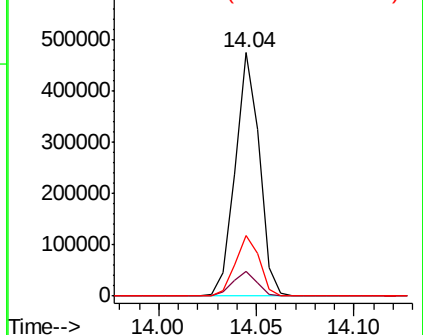
236 24.7 20.2 30.2

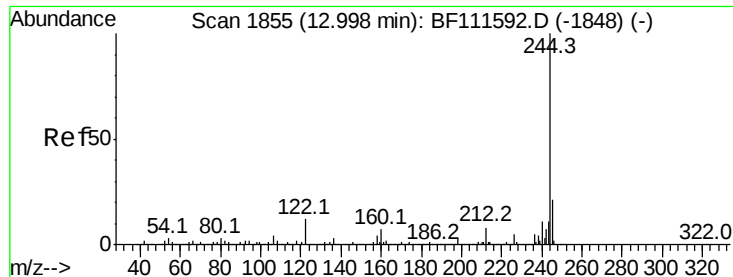


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 65.271 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF111673.D

Acq: 21 Dec 2018 7:35

Instrument :

BNA\_F

ClientSampleId :

121718-JETT-E-U-B

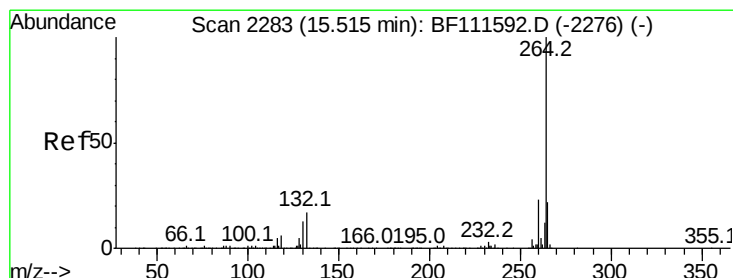
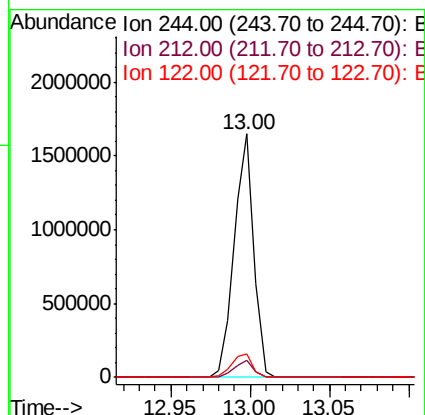
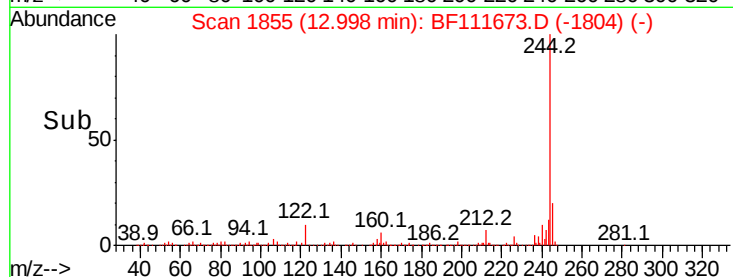
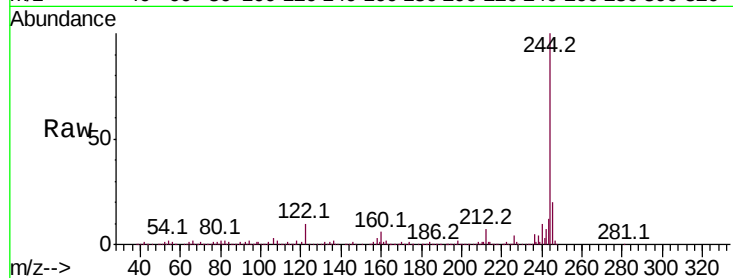
Tot Ion:244 Resp: 1401451

Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

122 9.6 13.1 19.7#



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.52 min Scan# 2284

Delta R.T. 0.01 min

Lab File: BF111673.D

Acq: 21 Dec 2018 7:35

Tgt Ion:264 Resp: 300829

Ion Ratio Lower Upper

264 100

260 23.5 18.3 27.5

265 21.4 17.7 26.5

