

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122018\  
 Data File : BF111675.D  
 Acq On : 21 Dec 2018 8:29  
 Operator : JU/SJ  
 Sample : J6502-01  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 121918-JETT-E-D-B

Quant Time: Dec 21 09:47:24 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

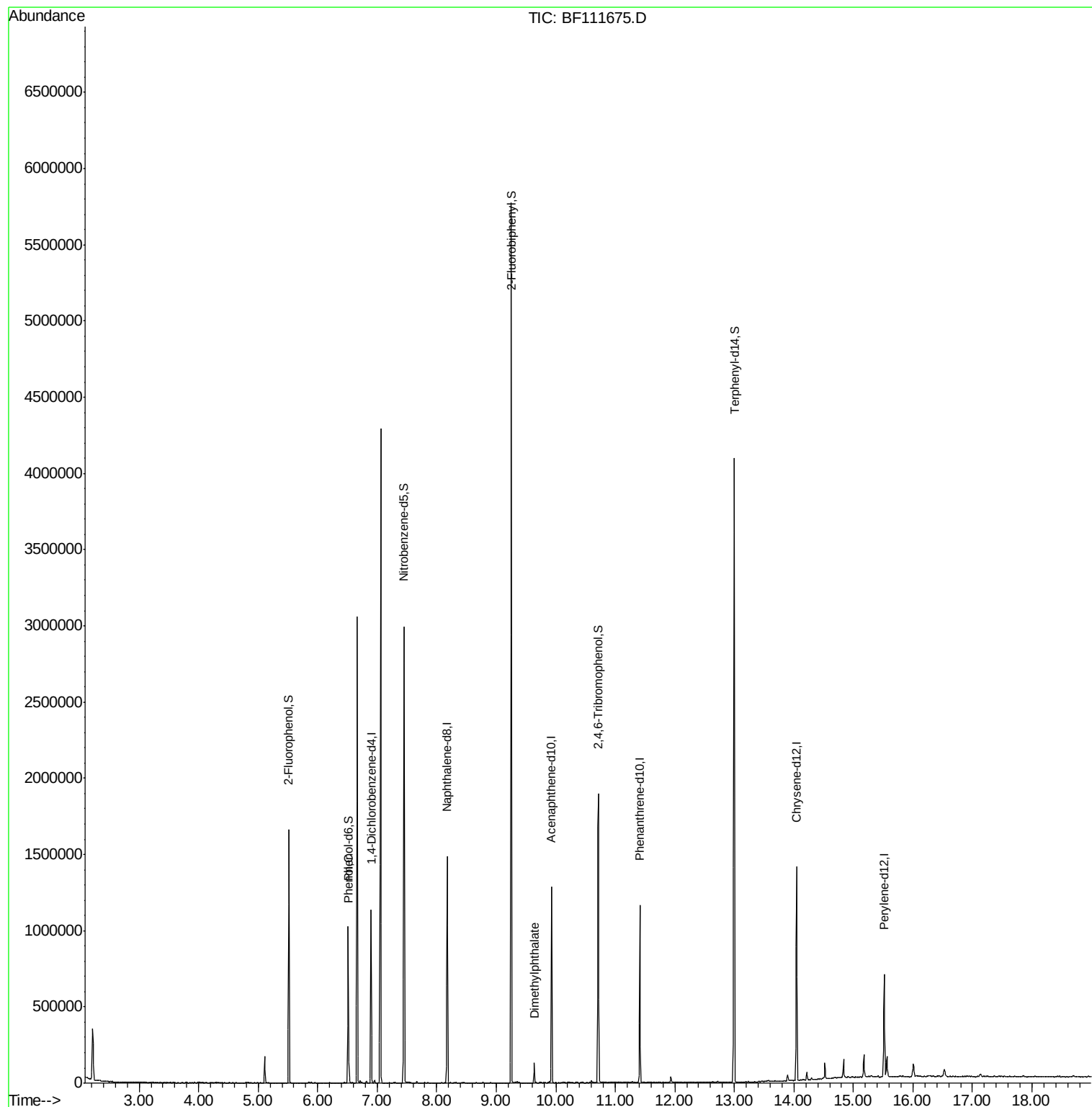
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.90  | 152  | 173013   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.17  | 136  | 599400   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.93  | 164  | 265686   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.41 | 188  | 418089   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 14.04 | 240  | 436050   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12            | 15.52 | 264  | 329976   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.52  | 112  | 386351   | 38.06 | ng    | 0.00     |
| 7) Phenol-d6                | 6.51  | 99   | 292409   | 22.64 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.45  | 82   | 994000   | 96.53 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.72 | 330  | 231167   | 73.64 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.25  | 172  | 1763040  | 96.72 | ng    | 0.00     |
| 79) Terphenyl-d14           | 13.00 | 244  | 1415381  | 61.56 | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       |          |
| 10) Phenol                  | 6.52  | 94   | 37282    | 2.558 | ng    | 98       |
| 50) Dimethylphthalate       | 9.64  | 163  | 44810    | 2.306 | ng    | # 98     |

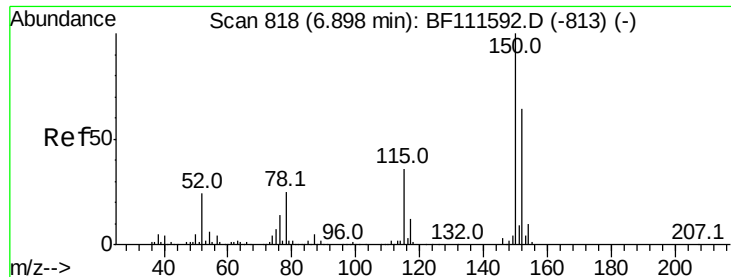
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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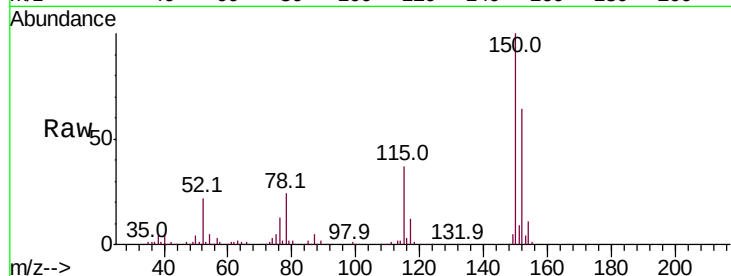


#1

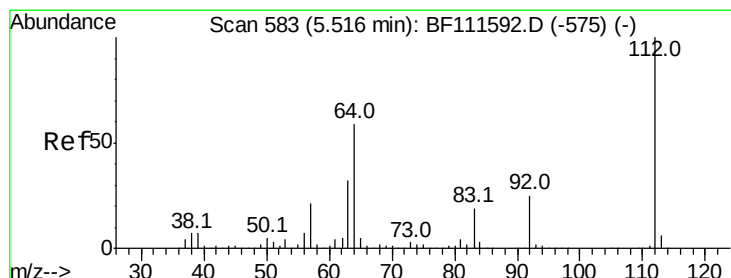
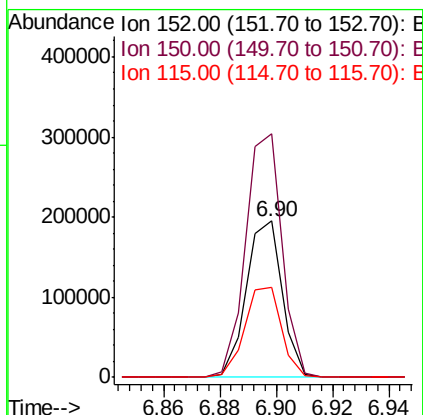
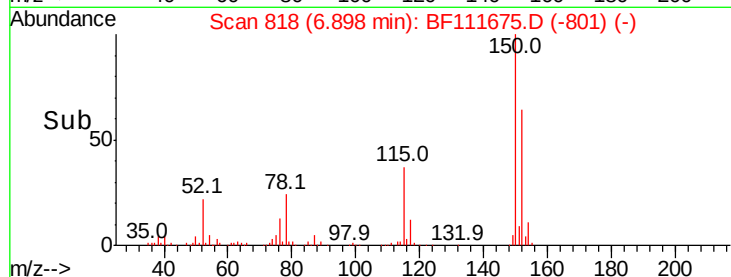
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.90 min Scan# 818  
Delta R.T. -0.00 min  
Lab File: BF111675.D  
Acq: 21 Dec 2018 8:29

Instrument :  
BNA\_F  
ClientSampleId :  
121918-JETT-E-D-B

Tot Ion:152 Resp: 173013  
Ion Ratio Lower Upper  
152 100  
150 155.9 126.6 189.8  
115 57.5 50.7 76.1



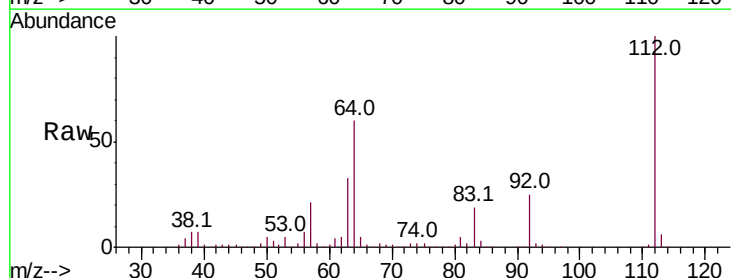
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



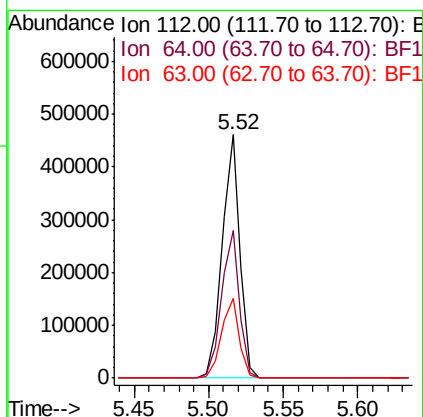
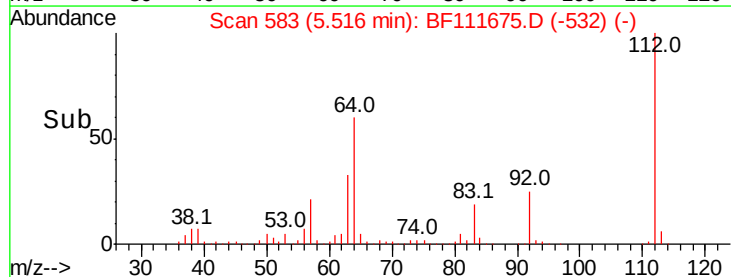
#5

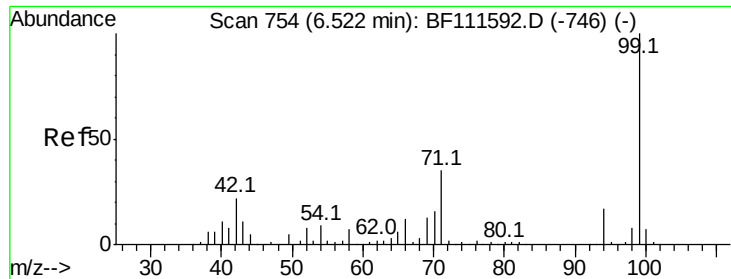
2-Fluorophenol  
Concen: 38.064 ng  
RT: 5.52 min Scan# 583  
Delta R.T. -0.00 min  
Lab File: BF111675.D  
Acq: 21 Dec 2018 8:29

Tgt Ion:112 Resp: 386351  
Ion Ratio Lower Upper  
112 100  
64 60.4 51.8 77.6  
63 32.5 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: 22.636 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF111675.D

Acq: 21 Dec 2018 8:29

Instrument :

BNA\_F

ClientSampleId :

121918-JETT-E-D-B

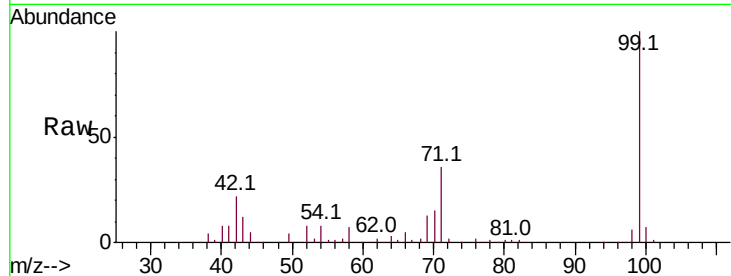
Tot Ion: 99 Resp: 292409

Ion Ratio Lower Upper

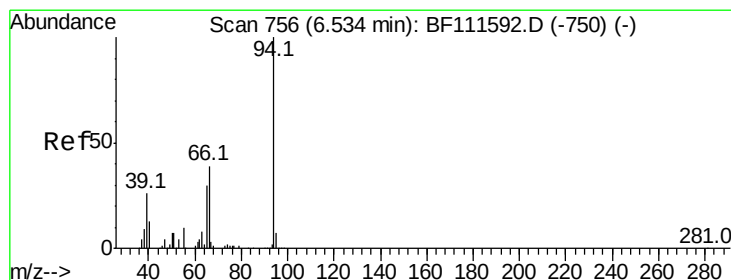
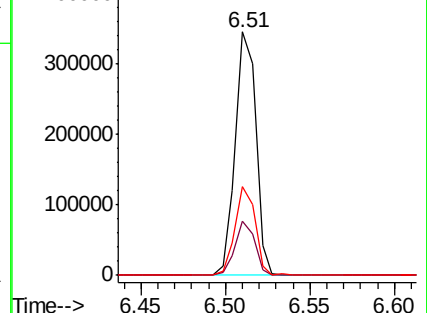
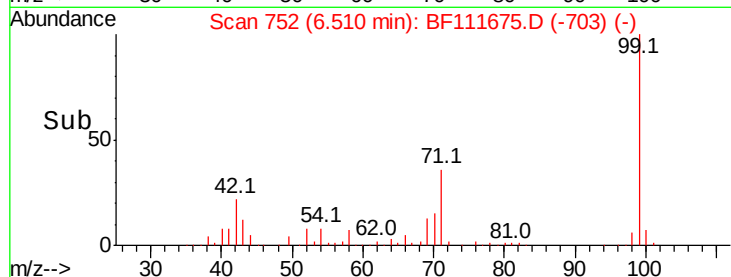
99 100

42 22.5 17.4 26.0

71 36.3 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: 2.558 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF111675.D

Acq: 21 Dec 2018 8:29

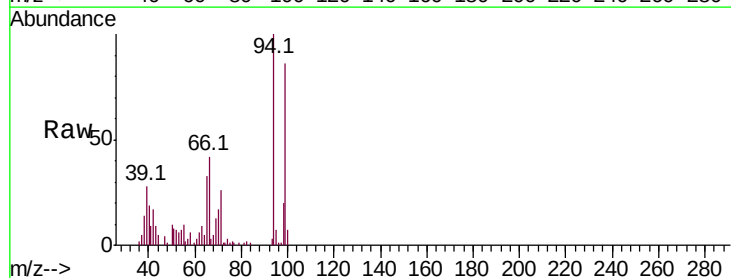
Tgt Ion: 94 Resp: 37282

Ion Ratio Lower Upper

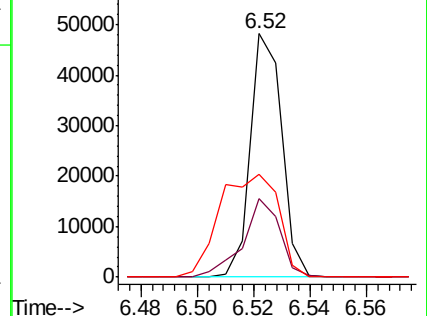
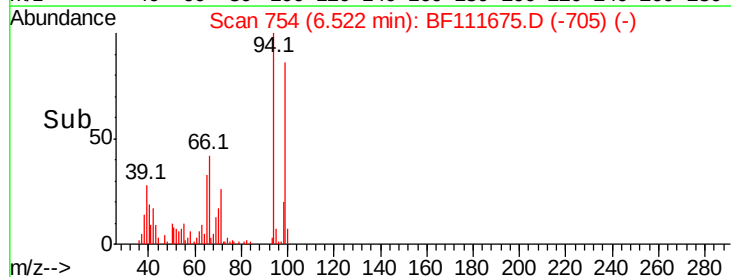
94 100

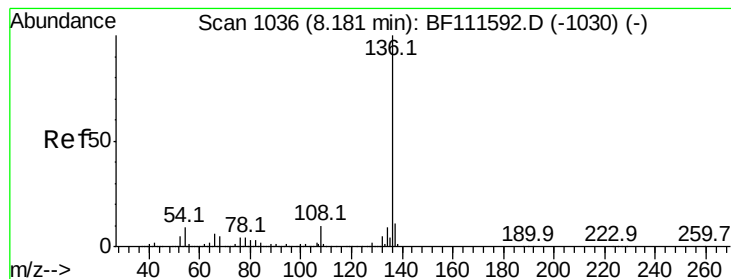
65 32.5 11.7 51.7

66 42.3 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: BF111675.D

Acq: 21 Dec 2018 8:29

Instrument :

BNA\_F

ClientSampleId :

121918-JETT-E-D-B

Tot Ion:136 Resp: 599400

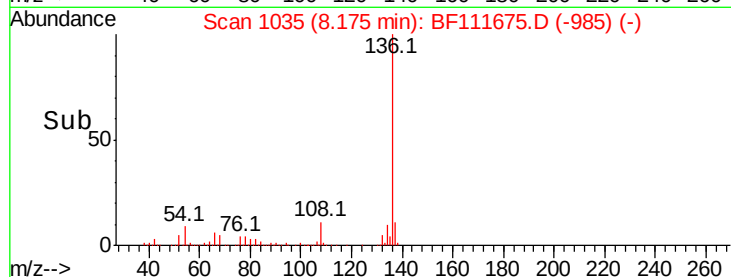
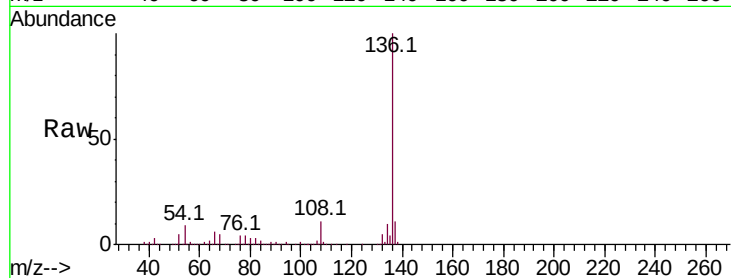
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 9.4 7.7 11.5

68 5.2 4.9 7.3

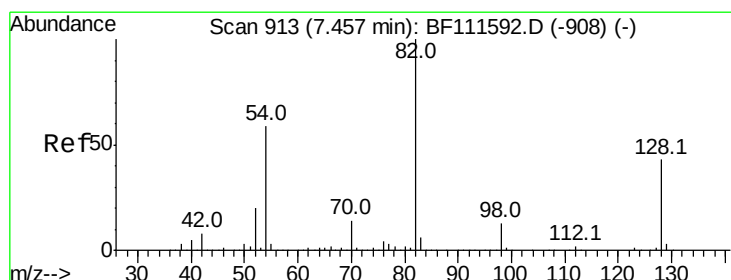
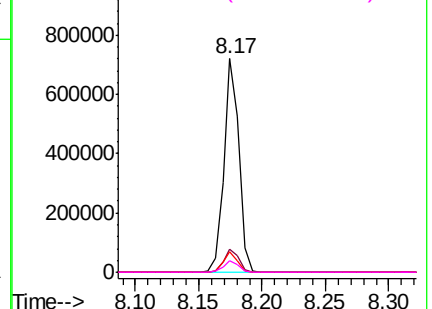


Abundance Ion 136.00 (135.70 to 136.70): E

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: 96.527 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF111675.D

Acq: 21 Dec 2018 8:29

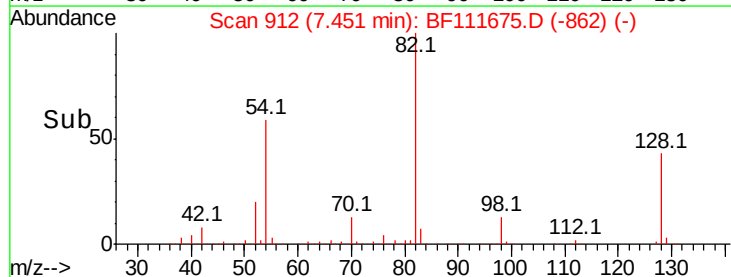
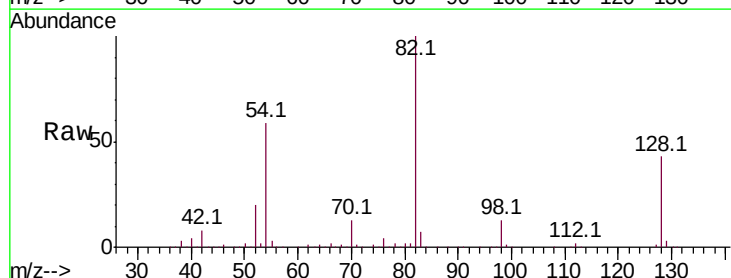
Tgt Ion: 82 Resp: 994000

Ion Ratio Lower Upper

82 100

128 43.0 37.4 56.2

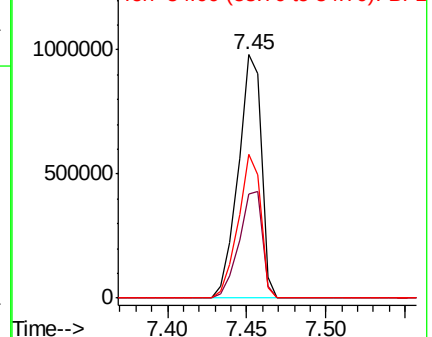
54 59.0 47.6 71.4

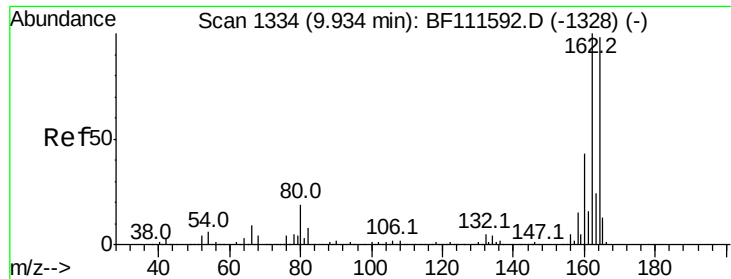


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

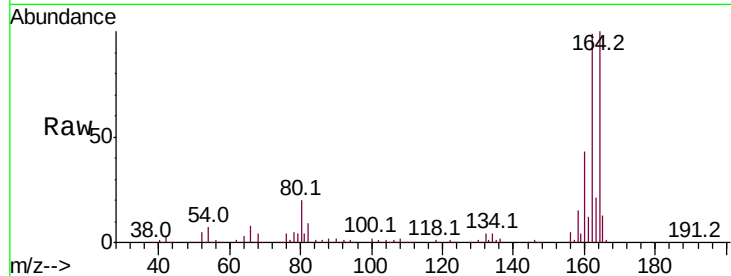




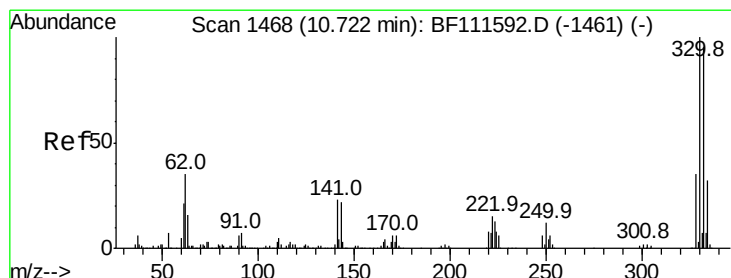
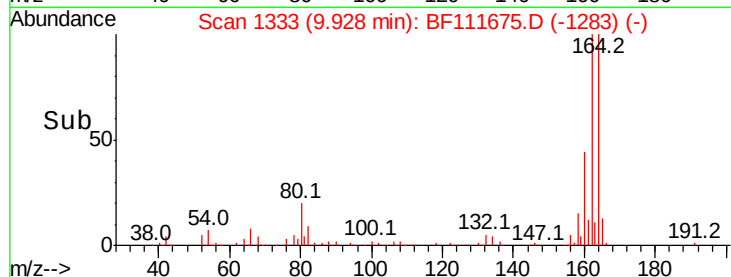
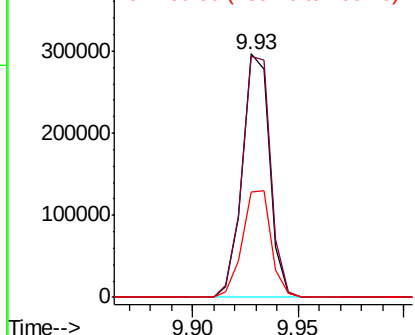
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.93 min Scan# 1333  
 Delta R.T. -0.01 min  
 Lab File: BF111675.D  
 Acq: 21 Dec 2018 8:29

Instrument :  
 BNA\_F  
 ClientSampleId :  
 121918-JETT-E-D-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 98.9  | 81.4  | 122.0 |
| 160     | 43.4  | 35.7  | 53.5  |

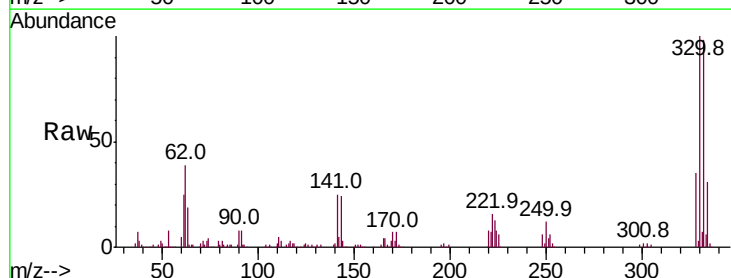


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

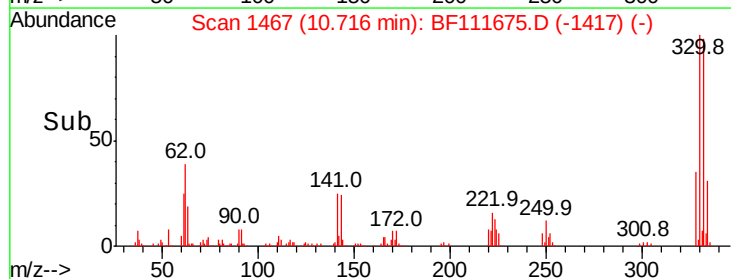
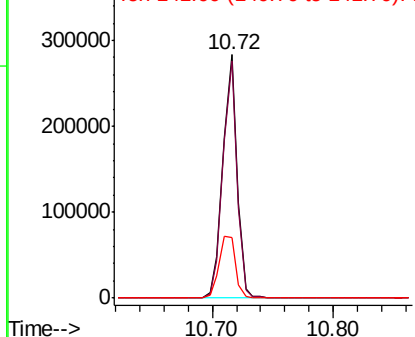


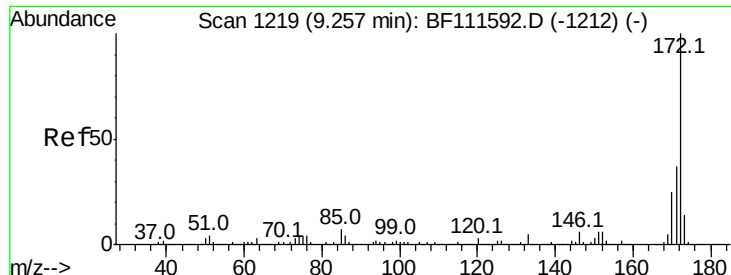
#42  
 2,4,6-Tribromophenol  
 Concen: 73.637 ng  
 RT: 10.72 min Scan# 1467  
 Delta R.T. -0.01 min  
 Lab File: BF111675.D  
 Acq: 21 Dec 2018 8:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.5  | 76.0  | 114.0 |
| 141     | 28.9  | 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

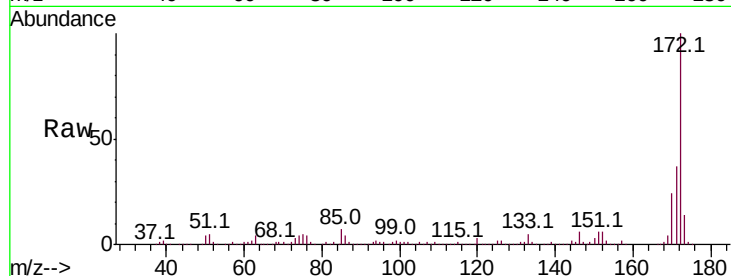




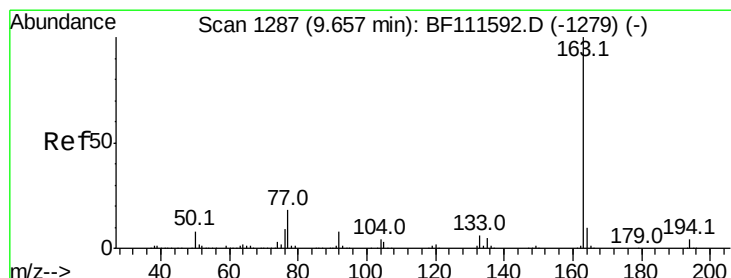
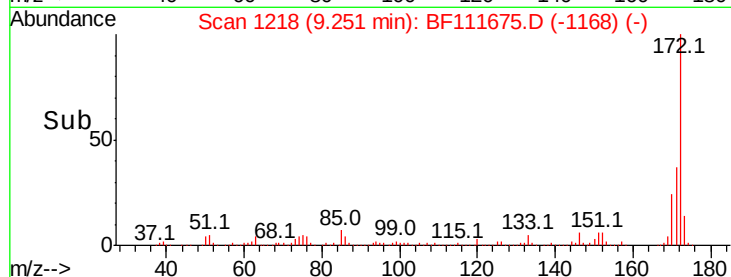
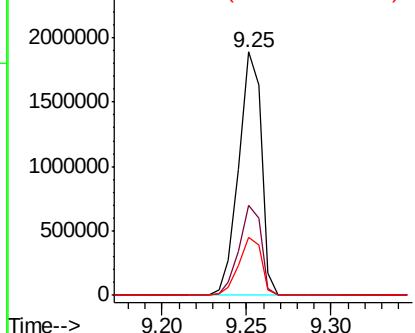
#45  
2-Fluorobiphenyl  
Concen: 96.722 ng  
RT: 9.25 min Scan# 1218  
Delta R.T. -0.01 min  
Lab File: BF111675.D  
Acq: 21 Dec 2018 8:29

Instrument :  
BNA\_F  
ClientSampleId :  
121918-JETT-E-D-B

Tot Ion:172 Resp: 1763040  
Ion Ratio Lower Upper  
172 100  
171 37.2 33.0 49.4  
170 24.0 22.3 33.5

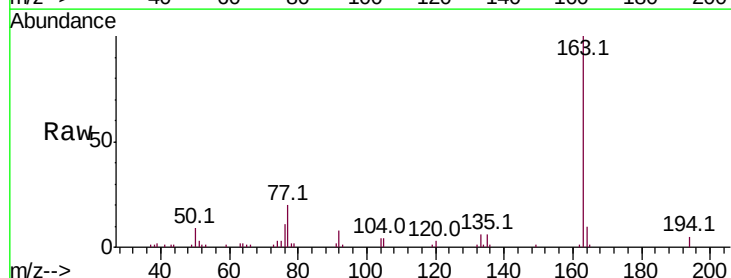


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

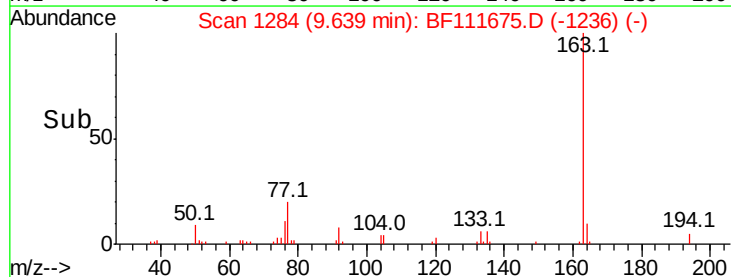
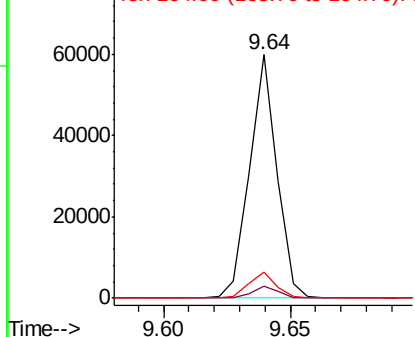


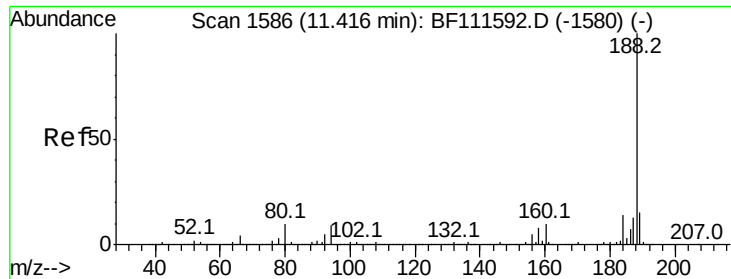
#50  
Dimethylphthalate  
Concen: 2.306 ng  
RT: 9.64 min Scan# 1284  
Delta R.T. -0.02 min  
Lab File: BF111675.D  
Acq: 21 Dec 2018 8:29

Tgt Ion:163 Resp: 44810  
Ion Ratio Lower Upper  
163 100  
194 4.6 3.0 4.6#  
164 10.4 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: BF111675.D

Acq: 21 Dec 2018 8:29

Instrument :

BNA\_F

ClientSampleId :

121918-JETT-E-D-B

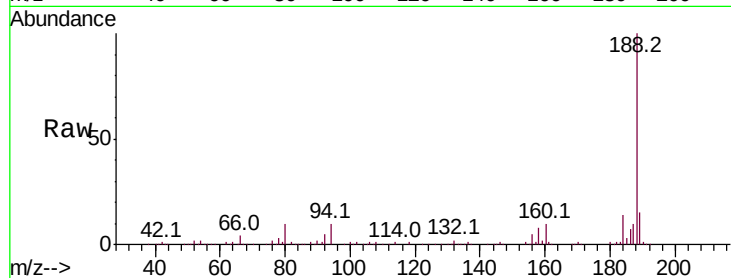
Tot Ion:188 Resp: 418089

Ion Ratio Lower Upper

188 100

94 9.9 9.6 14.4

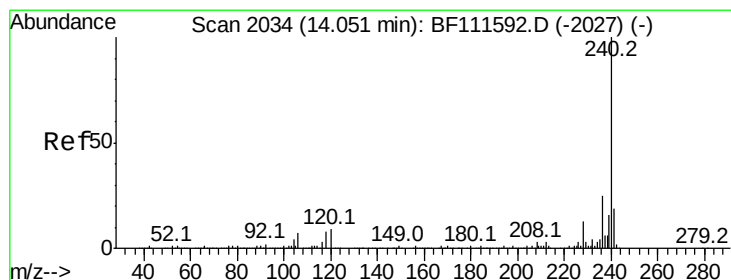
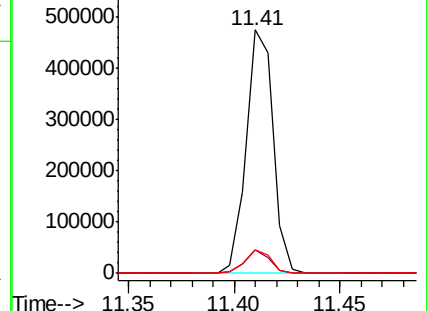
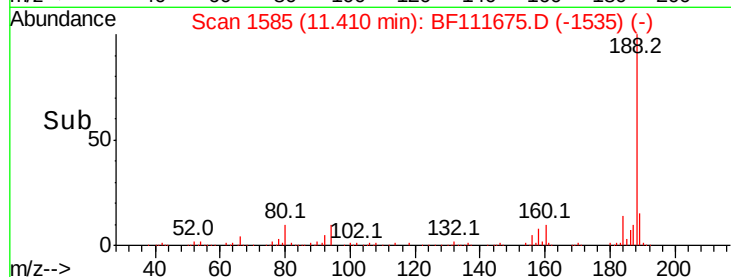
80 9.9 9.8 14.6



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: BF111675.D

Acq: 21 Dec 2018 8:29

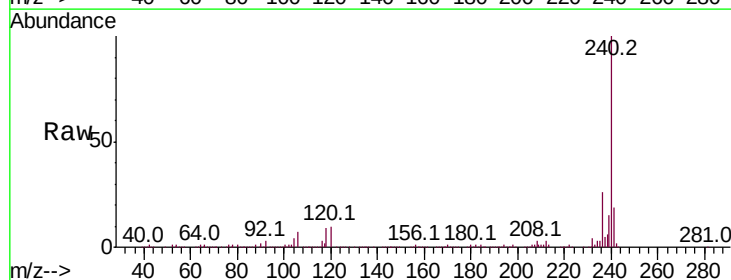
Tgt Ion:240 Resp: 436050

Ion Ratio Lower Upper

240 100

120 9.8 12.2 18.2#

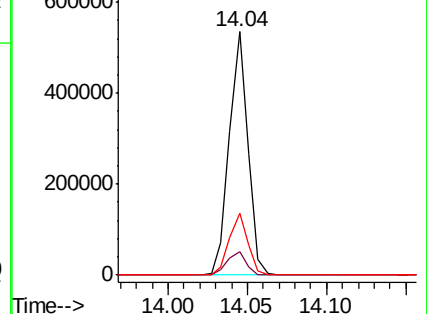
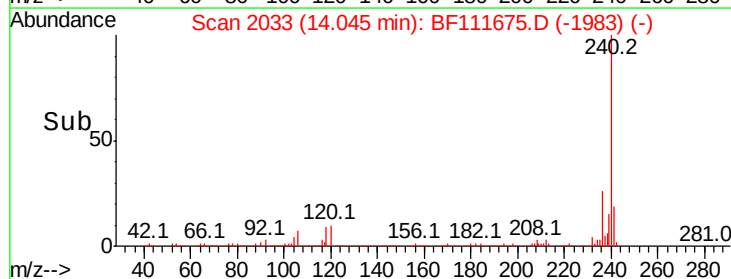
236 25.6 20.2 30.2



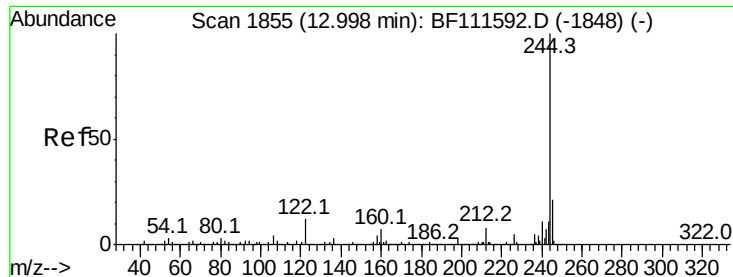
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E







#79

Terphenyl-d14

Concen: 61.556 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF111675.D

Acq: 21 Dec 2018 8:29

Instrument :

BNA\_F

ClientSampleId :

121918-JETT-E-D-B

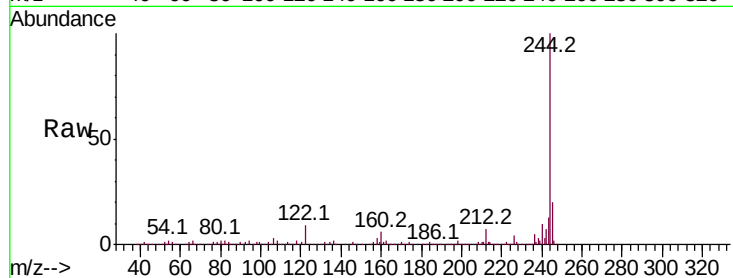
Tot Ion:244 Resp: 1415381

Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

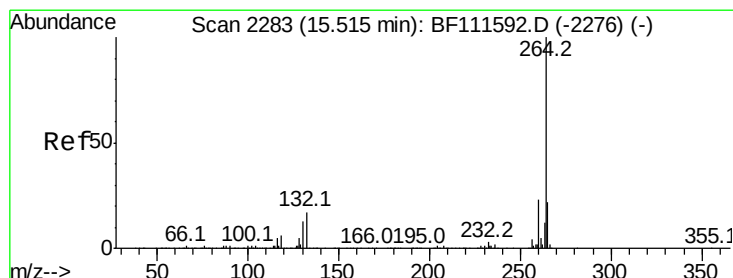
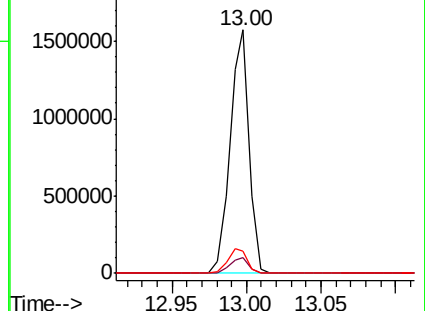
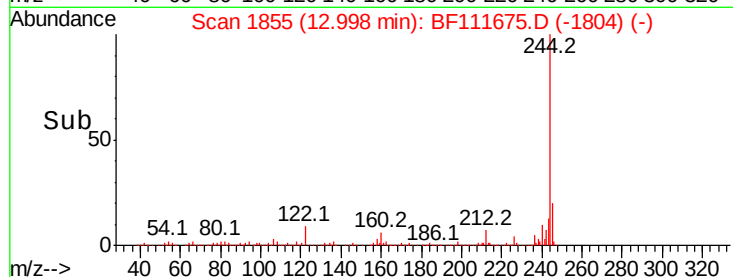
122 9.3 13.1 19.7#



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: 15.52 min Scan# 2283

Delta R.T. -0.00 min

Lab File: BF111675.D

Acq: 21 Dec 2018 8:29

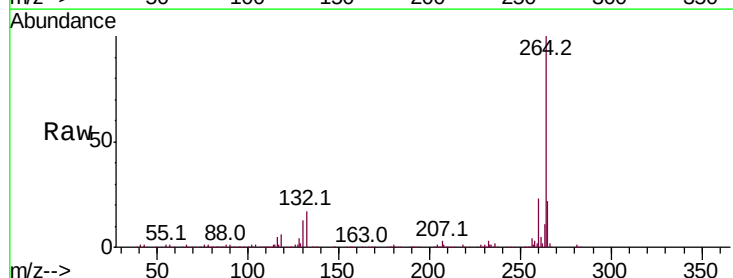
Tgt Ion:264 Resp: 329976

Ion Ratio Lower Upper

264 100

260 23.1 18.3 27.5

265 21.9 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

