

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121117\  
 Data File : BF101282.D  
 Acq On : 11 Dec 2017 12:01  
 Operator : SJ/JU  
 Sample : I6746-09  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ENV-109-7(0-5)

Quant Time: Dec 11 13:04:02 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 08 18:17:31 2017  
 Response via : Initial Calibration

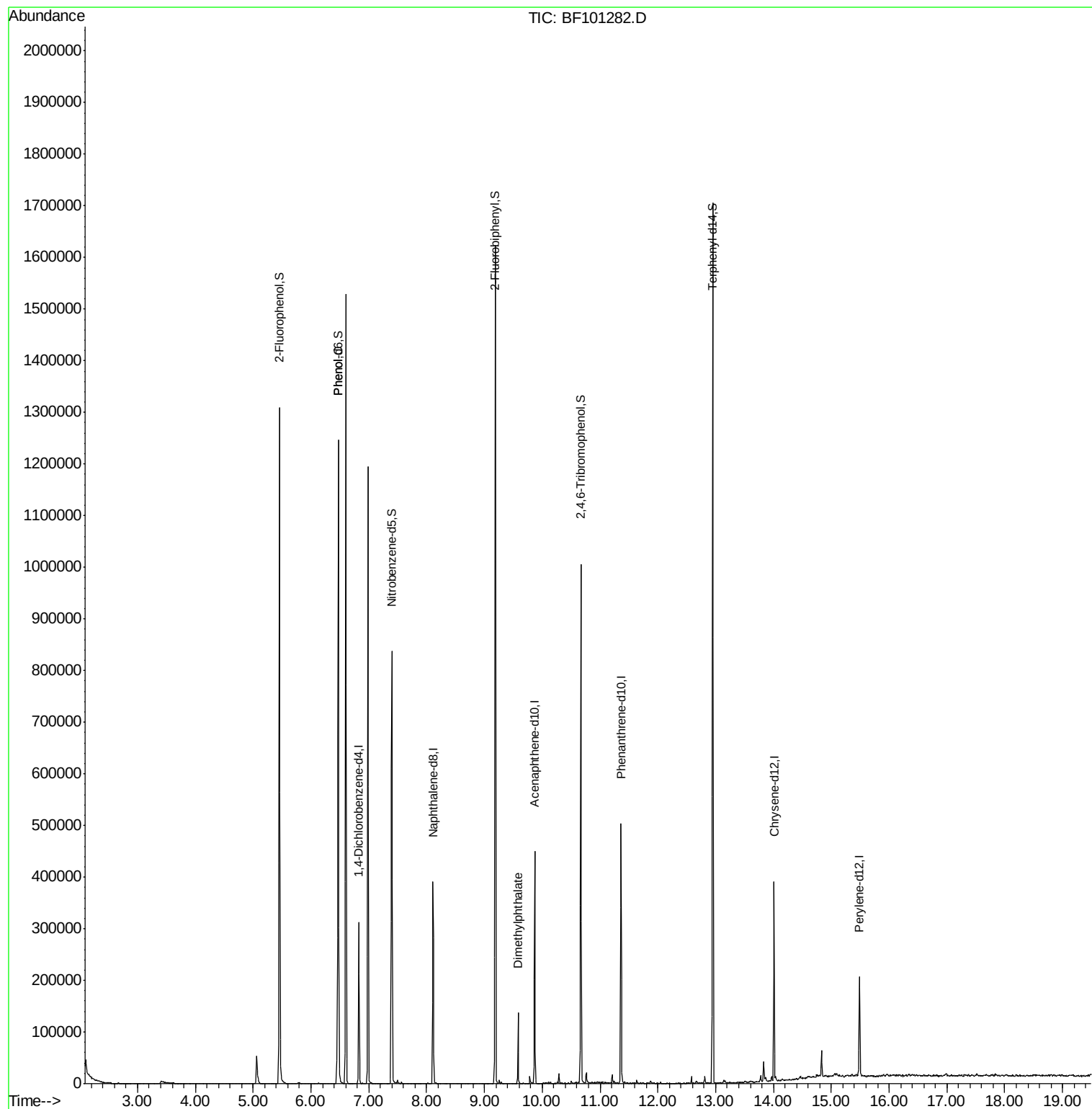
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.83  | 152  | 44422    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.11  | 136  | 174210   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.87  | 164  | 85639    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.36 | 188  | 170833   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.01 | 240  | 130078   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.49 | 264  | 91247    | 20.00  | ng    | 0.02     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.46  | 112  | 366379   | 136.29 | ng    | 0.02     |
| 7) Phenol-d6                | 6.47  | 99   | 450620   | 138.07 | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 7.40  | 82   | 278346   | 95.31  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.67 | 330  | 124546   | 121.06 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.19  | 172  | 579112   | 92.52  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.95 | 244  | 595809   | 100.19 | ng    | 0.01     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.48  | 94   | 17574    | 4.842  | ng    | 81       |
| 49) Dimethylphthalate       | 9.58  | 163  | 52086    | 7.541  | ng    | 100      |

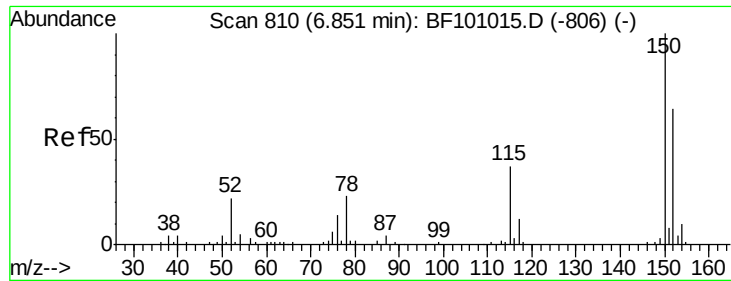
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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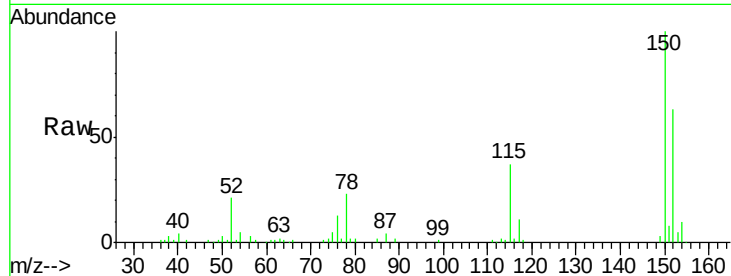


#1

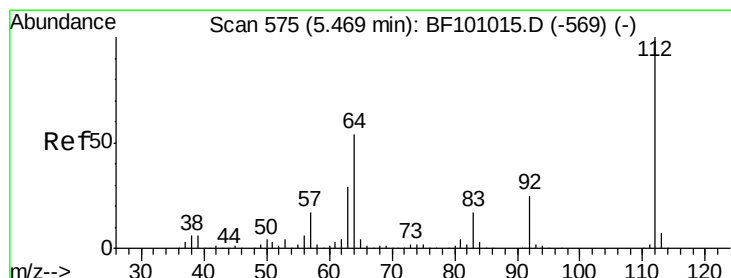
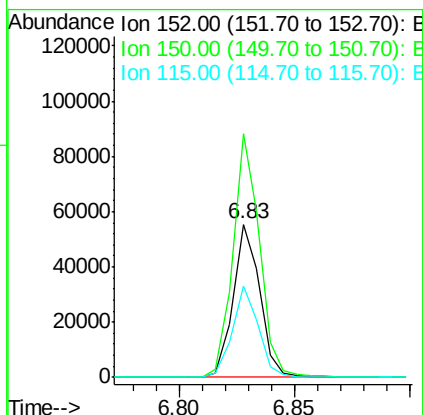
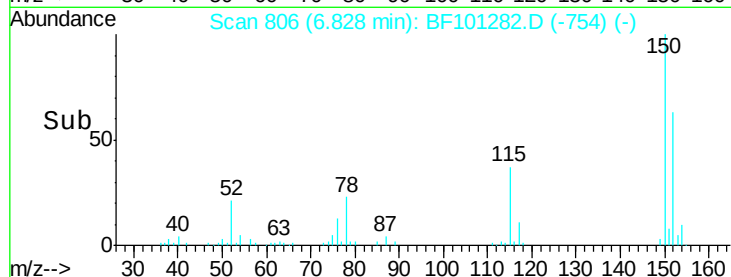
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.83 min Scan# 806  
Delta R.T. 0.01 min  
Lab File: BF101282.D  
Acq: 11 Dec 2017 12:01

Instrument :  
BNA\_F  
ClientSampleId :  
ENV-109-7(0-5)

Tot Ion:152 Resp: 44422  
Ion Ratio Lower Upper  
152 100  
150 159.4 124.6 186.8  
115 59.7 50.1 75.1



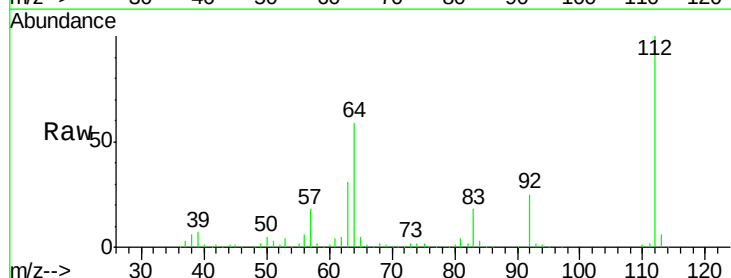
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



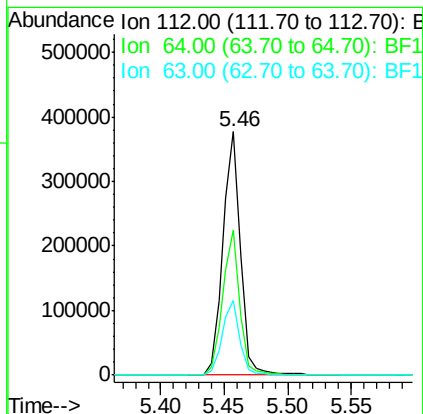
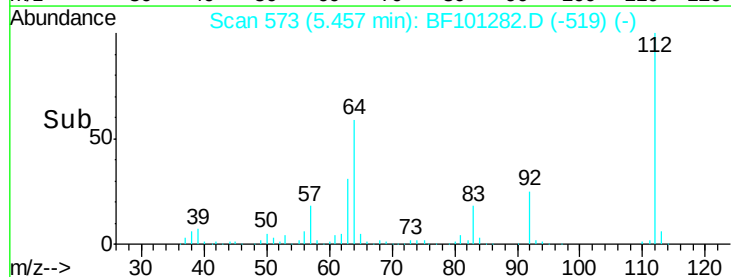
#5

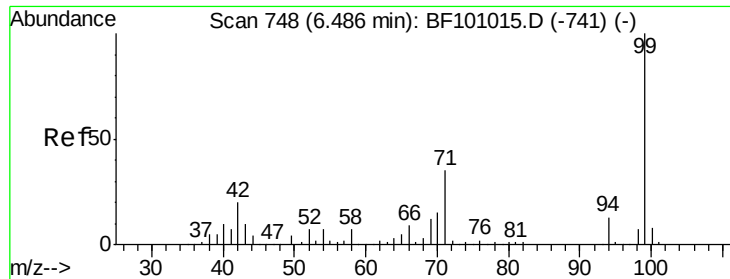
2-Fluorophenol  
Concen: 136.289 ng  
RT: 5.46 min Scan# 573  
Delta R.T. 0.02 min  
Lab File: BF101282.D  
Acq: 11 Dec 2017 12:01

Tgt Ion:112 Resp: 366379  
Ion Ratio Lower Upper  
112 100  
64 59.4 47.9 71.9  
63 30.9 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: 138.066 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.01 min

Lab File: BF101282.D

Acq: 11 Dec 2017 12:01

Instrument :

BNA\_F

ClientSampleId :

ENV-109-7(0-5)

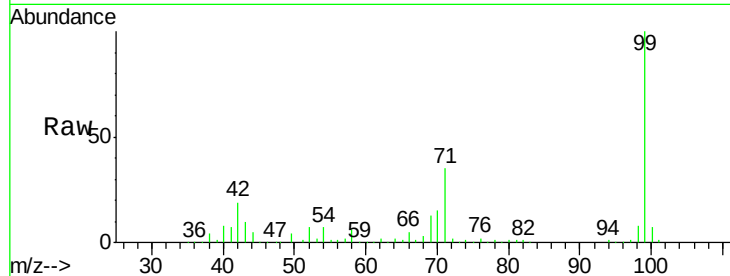
Tot Ion: 99 Resp: 450620

Ion Ratio Lower Upper

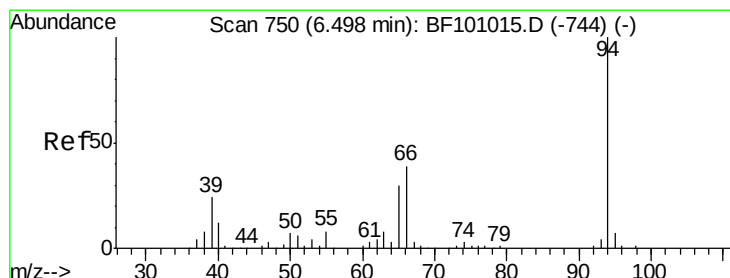
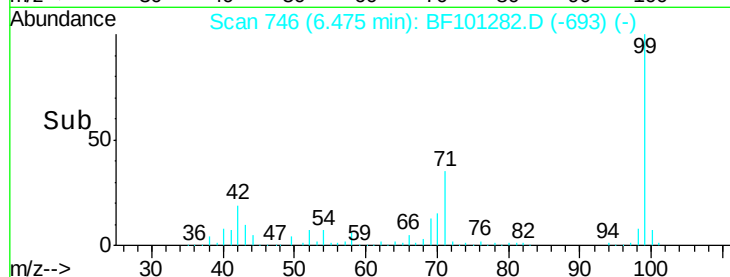
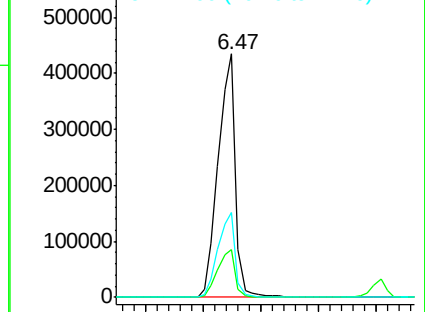
99 100

42 19.4 14.5 21.7

71 34.9 25.4 38.0



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: 4.842 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.01 min

Lab File: BF101282.D

Acq: 11 Dec 2017 12:01

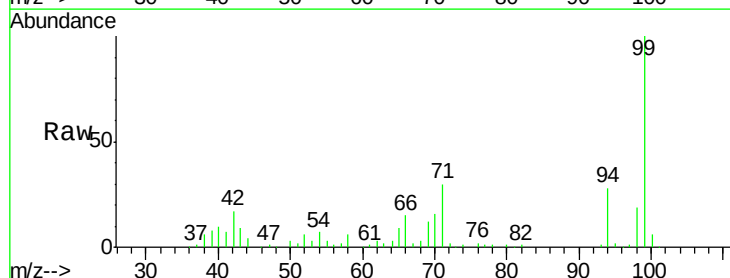
Tgt Ion: 94 Resp: 17574

Ion Ratio Lower Upper

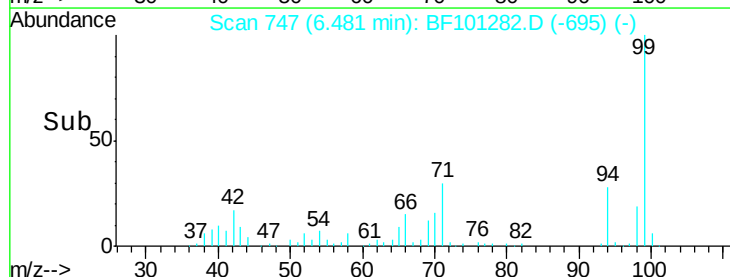
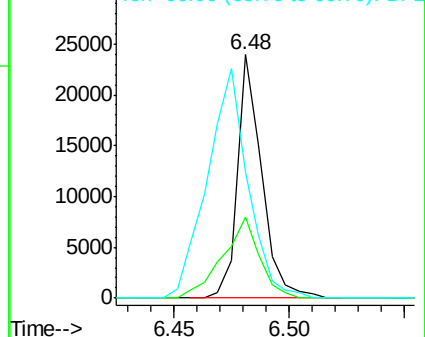
94 100

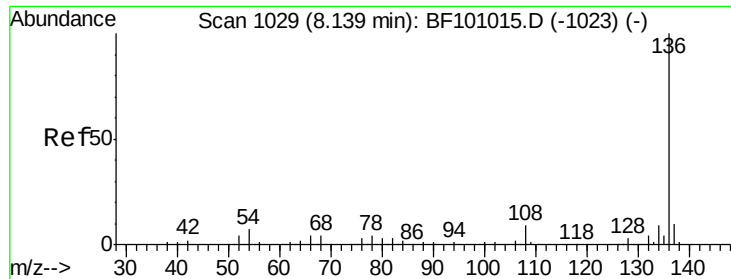
65 33.1 7.9 47.9

66 51.6 16.2 56.2



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

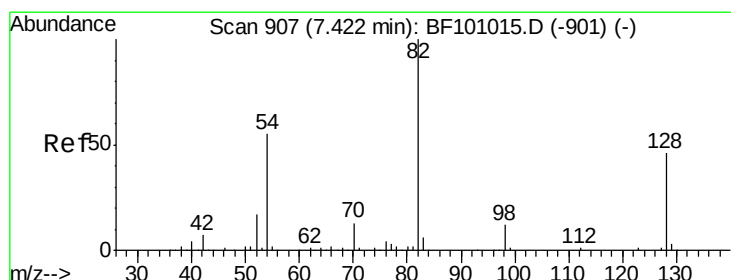
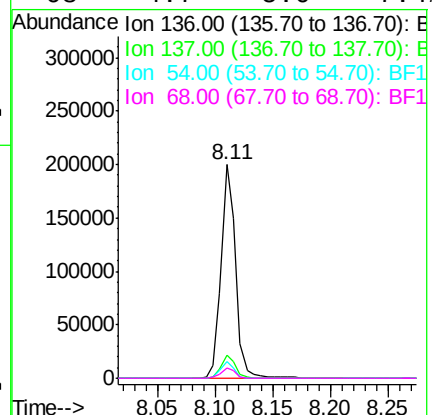
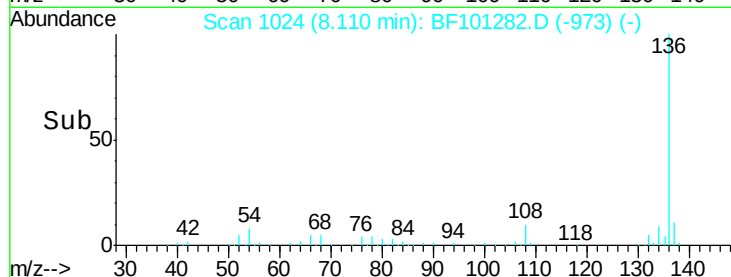
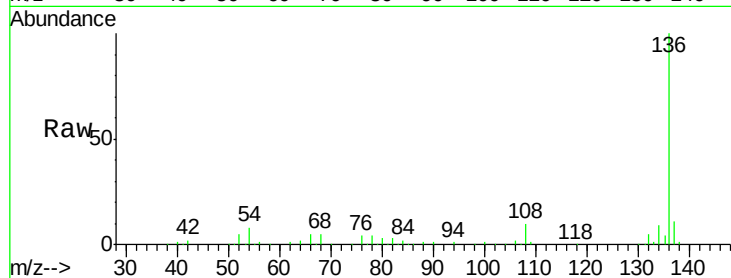




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.11 min Scan# 1024  
Delta R.T. 0.00 min  
Lab File: BF101282.D  
Acq: 11 Dec 2017 12:01

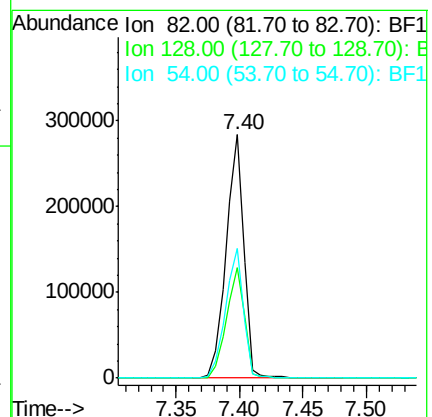
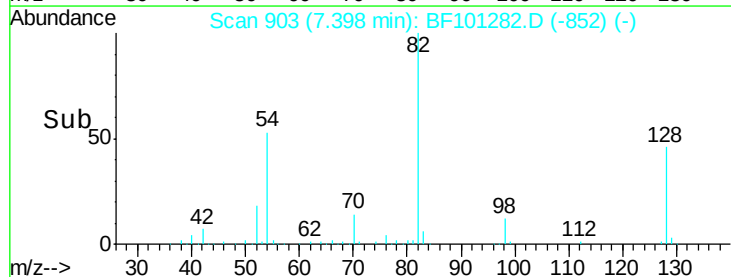
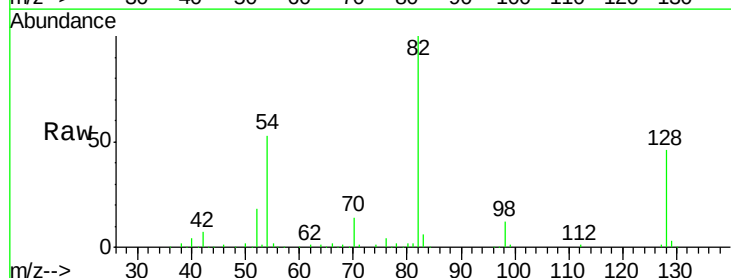
Instrument :  
BNA\_F  
ClientSampleId :  
ENV-109-7(0-5)

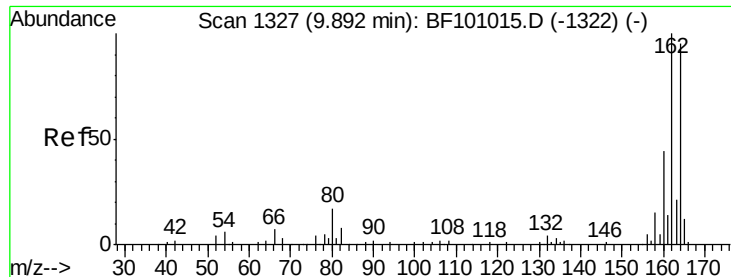
|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 174210      |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 11.0  | 8.9 13.3    |
| 54          | 7.7   | 6.6 9.8     |
| 68          | 4.7   | 5.0 7.4#    |



#23  
Nitrobenzene-d5  
Concen: 95.311 ng  
RT: 7.40 min Scan# 903  
Delta R.T. 0.00 min  
Lab File: BF101282.D  
Acq: 11 Dec 2017 12:01

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 82 | Resp: | 278346      |
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 45.6  | 36.1 54.1   |
| 54          | 53.5  | 41.4 62.2   |

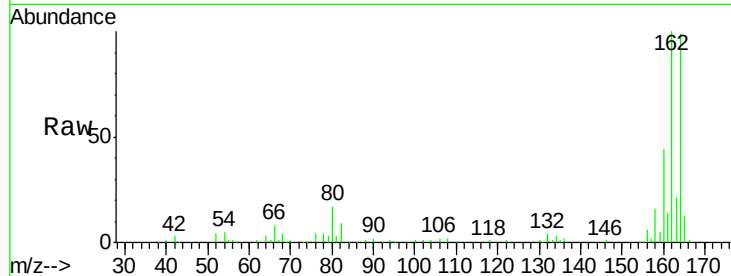




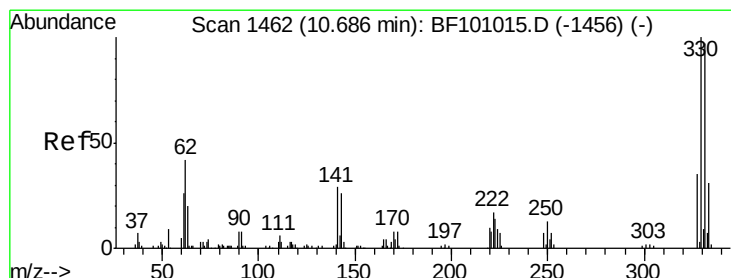
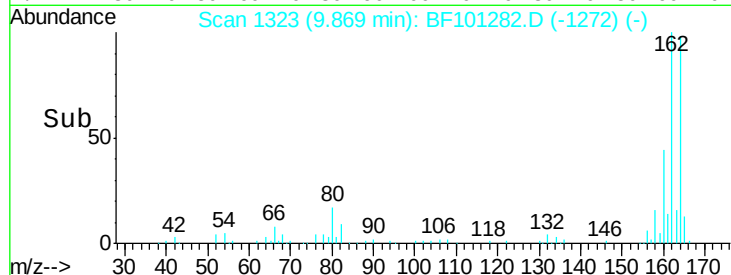
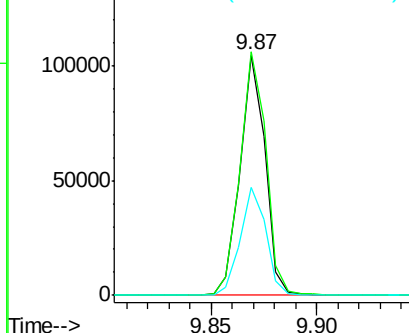
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.87 min Scan# 1323  
Delta R.T. 0.00 min  
Lab File: BF101282.D  
Acq: 11 Dec 2017 12:01

Instrument :  
BNA\_F  
ClientSampleId :  
ENV-109-7(0-5)

Tot Ion:164 Resp: 85639  
Ion Ratio Lower Upper  
164 100  
162 101.4 86.1 129.1  
160 44.8 38.3 57.5

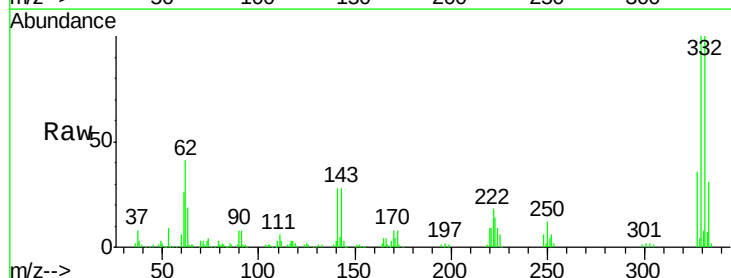


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

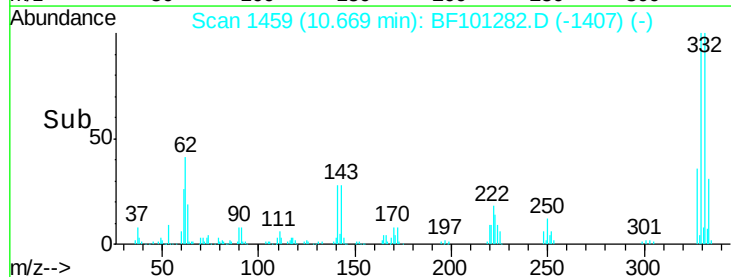
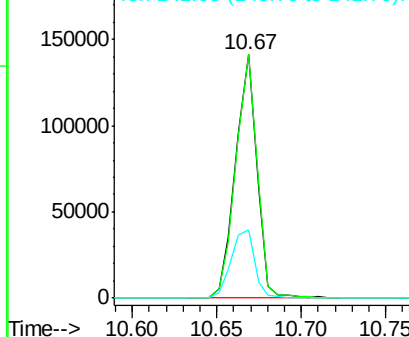


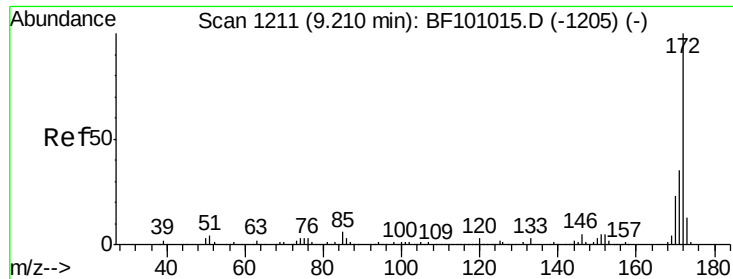
#41  
2,4,6-Tribromophenol  
Concen: 121.063 ng  
RT: 10.67 min Scan# 1459  
Delta R.T. 0.01 min  
Lab File: BF101282.D  
Acq: 11 Dec 2017 12:01

Tgt Ion:330 Resp: 124546  
Ion Ratio Lower Upper  
330 100  
332 99.9 77.0 115.6  
141 30.8 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

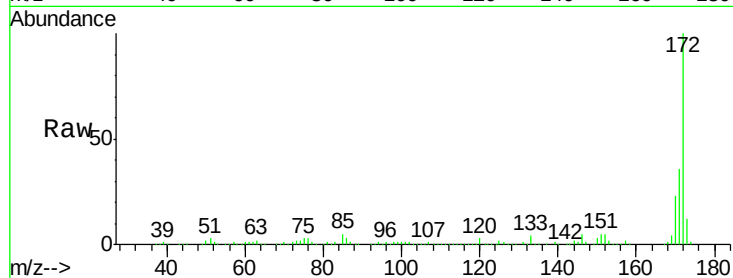




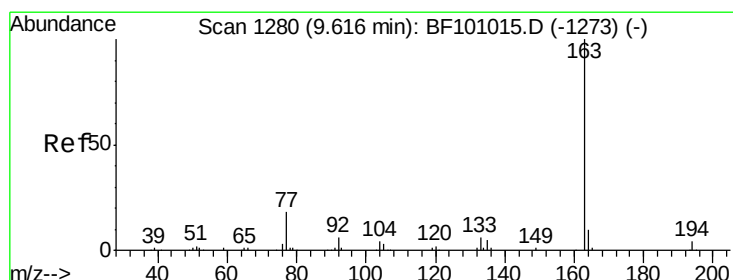
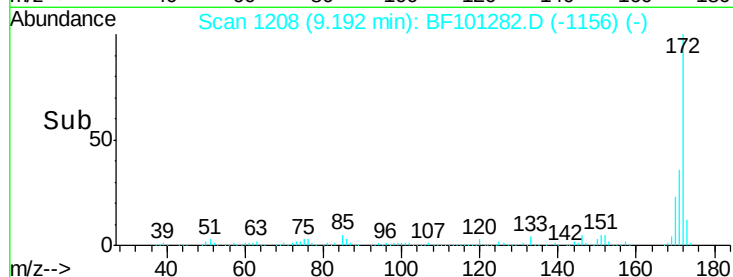
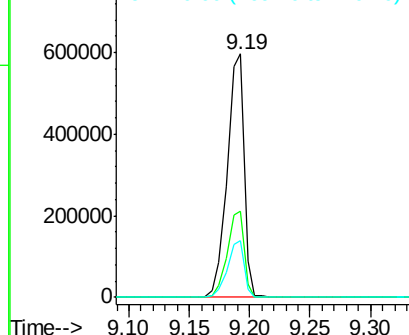
#44  
2-Fluorobiphenyl  
Concen: 92.521 ng  
RT: 9.19 min Scan# 1208  
Delta R.T. 0.01 min  
Lab File: BF101282.D  
Acq: 11 Dec 2017 12:01

Instrument :  
BNA\_F  
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ENV-109-7(0-5)

Tot Ion:172 Resp: 579112  
Ion Ratio Lower Upper  
172 100  
171 35.5 29.7 44.5  
170 23.1 19.6 29.4

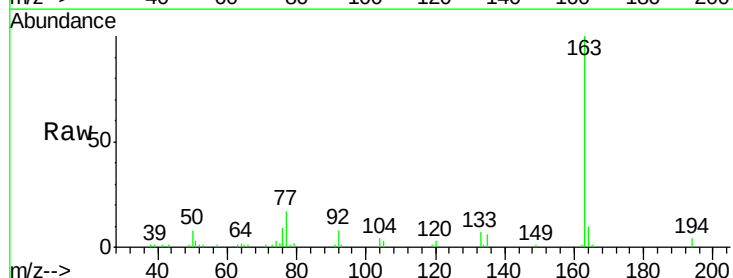


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

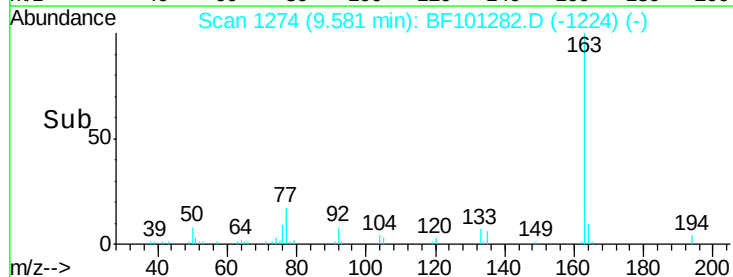
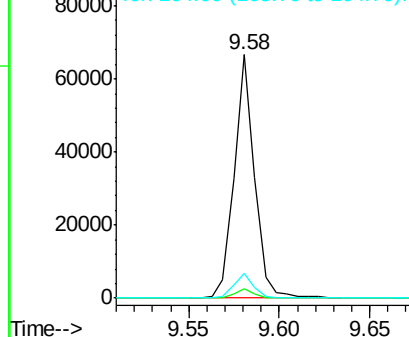


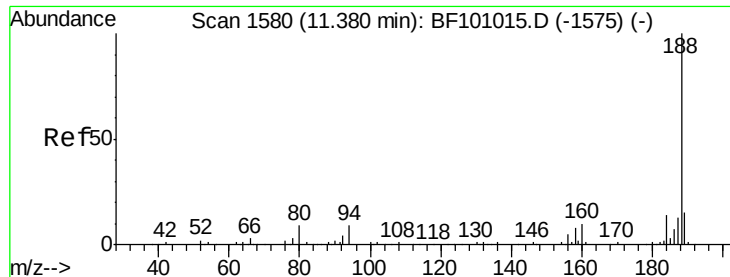
#49  
Dimethylphthalate  
Concen: 7.541 ng  
RT: 9.58 min Scan# 1274  
Delta R.T. -0.01 min  
Lab File: BF101282.D  
Acq: 11 Dec 2017 12:01

Tgt Ion:163 Resp: 52086  
Ion Ratio Lower Upper  
163 100  
194 3.6 2.7 4.1  
164 10.2 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: 11.36 min Scan# 1577

Delta R.T. 0.01 min

Lab File: BF101282.D

Acq: 11 Dec 2017 12:01

Instrument :

BNA\_F

ClientSampleId :

ENV-109-7(0-5)

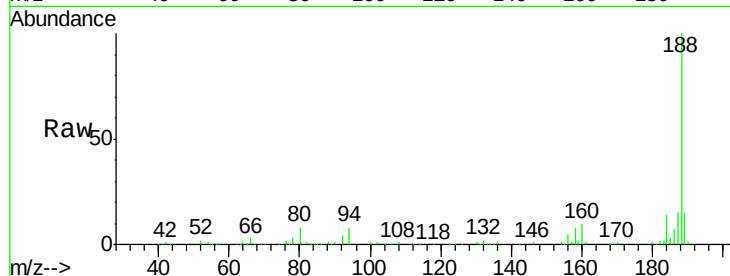
Tot Ion:188 Resp: 170833

Ion Ratio Lower Upper

188 100

94 7.6 8.5 12.7#

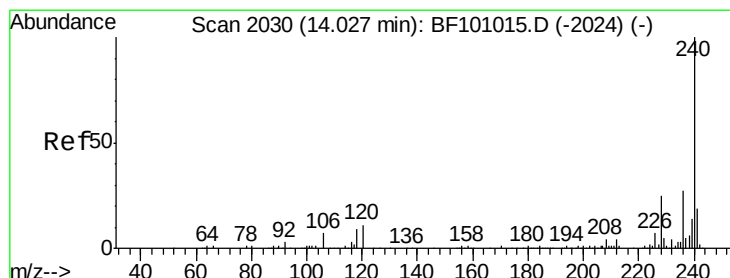
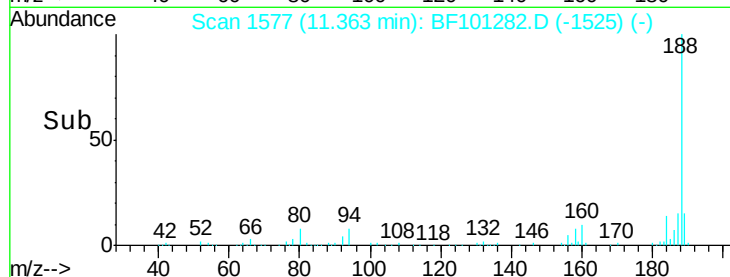
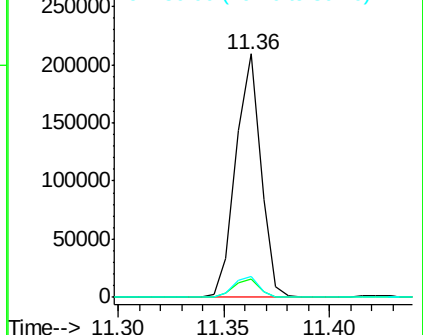
80 8.4 9.2 13.8#



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: 14.01 min Scan# 2027

Delta R.T. 0.01 min

Lab File: BF101282.D

Acq: 11 Dec 2017 12:01

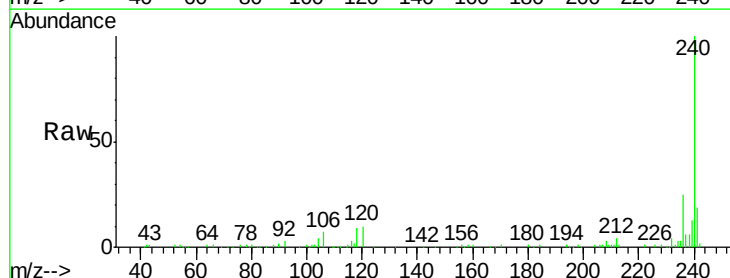
Tgt Ion:240 Resp: 130078

Ion Ratio Lower Upper

240 100

120 9.9 9.5 14.3

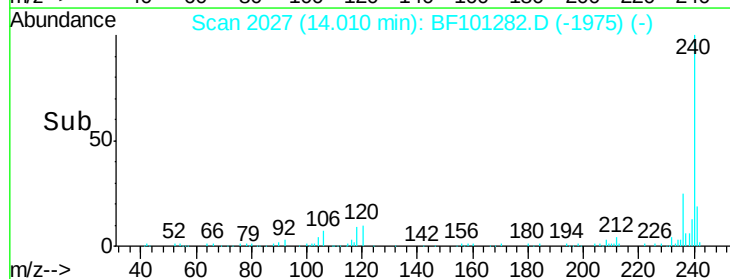
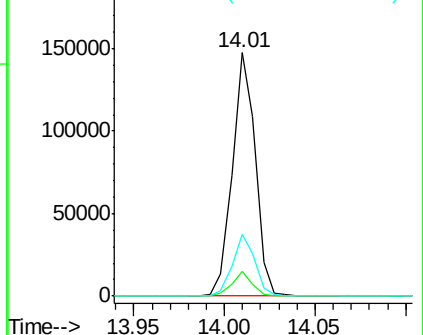
236 25.3 20.7 31.1



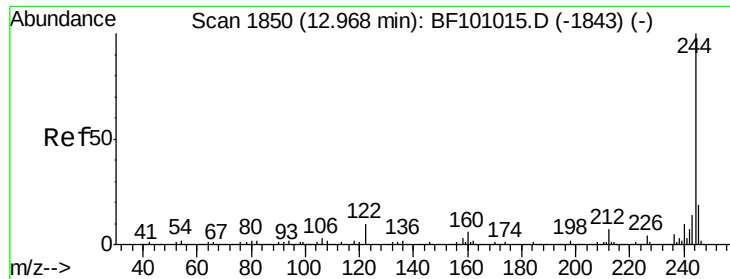
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E







#78

Terphenyl-d14

Concen: 100.185 ng

RT: 12.95 min Scan# 1847

Delta R.T. 0.01 min

Lab File: BF101282.D

Acq: 11 Dec 2017 12:01

Instrument :

BNA\_F

ClientSampleId :

ENV-109-7(0-5)

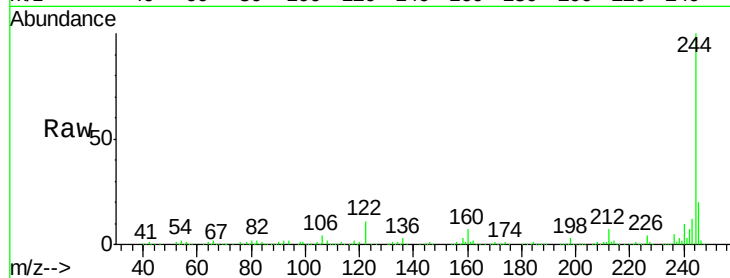
Tot Ion:244 Resp: 595809

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

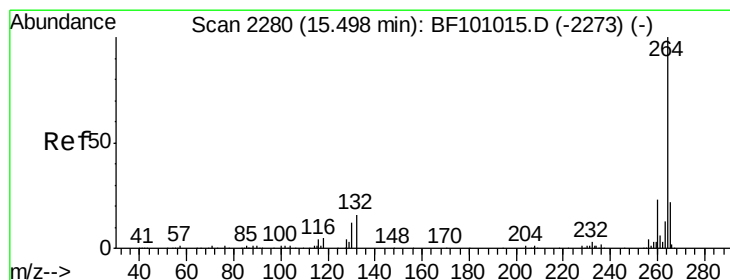
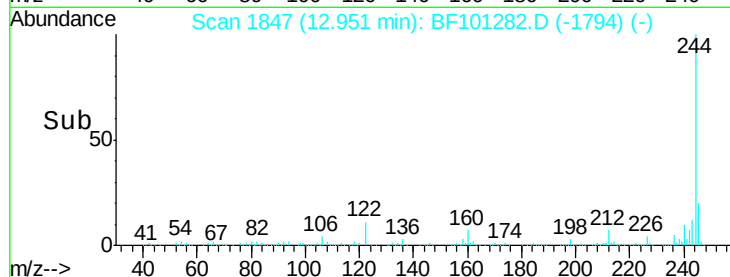
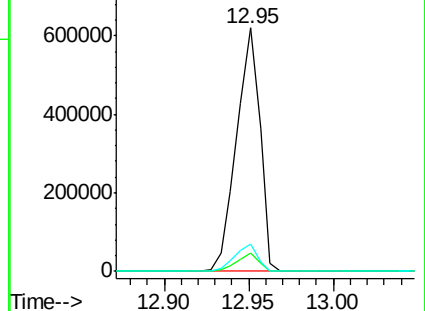
122 11.3 11.0 16.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2278

Delta R.T. 0.02 min

Lab File: BF101282.D

Acq: 11 Dec 2017 12:01

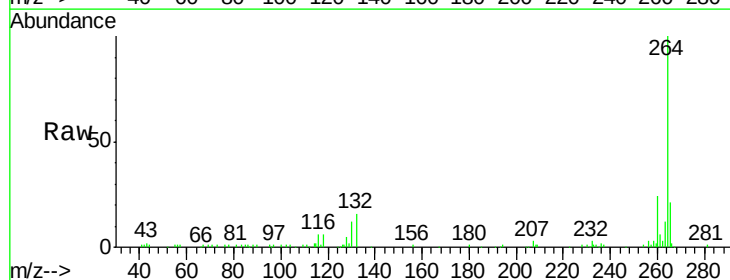
Tgt Ion:264 Resp: 91247

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

265 21.5 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

