

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062917\  
 Data File : BF096304.D  
 Acq On : 29 Jun 2017 21:03  
 Operator : SJ/MA  
 Sample : I3882-03 5X  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 G46-0-1.5

Quant Time: Jun 30 02:55:13 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062717.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 28 15:41:49 2017  
 Response via : Initial Calibration

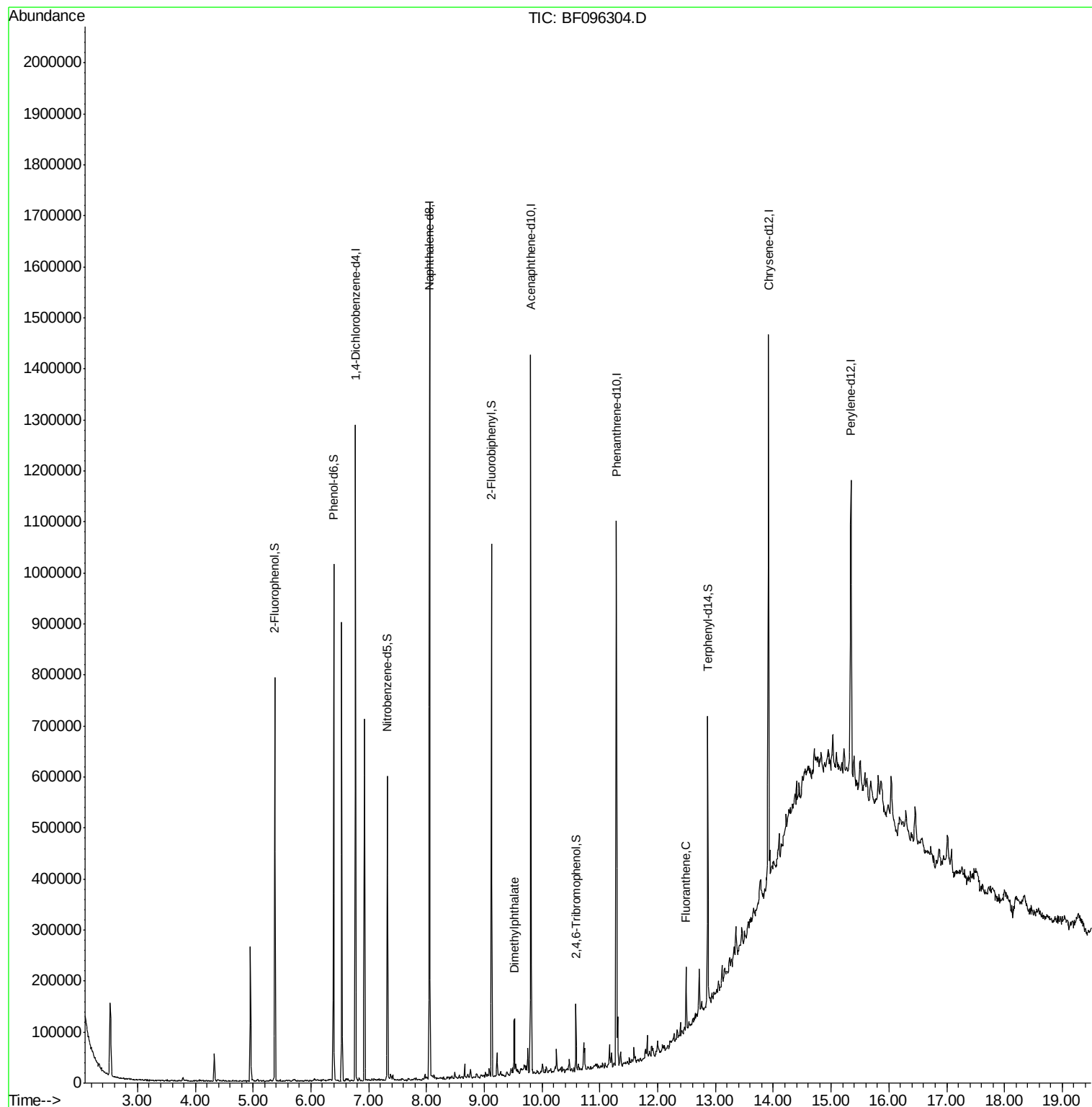
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)    |
|-----------------------------|-------|------|----------|-------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.77  | 152  | 180045   | 20.00 | ng    | -0.01       |
| 21) Naphthalene-d8          | 8.05  | 136  | 712219   | 20.00 | ng    | 0.00        |
| 38) Acenaphthene-d10        | 9.80  | 164  | 262538   | 20.00 | ng    | 0.00        |
| 63) Phenanthrene-d10        | 11.29 | 188  | 359906   | 20.00 | ng    | 0.00        |
| 75) Chrysene-d12            | 13.92 | 240  | 338655   | 20.00 | ng    | 0.00        |
| 86) Perylene-d12            | 15.34 | 264  | 265054   | 20.00 | ng    | 0.00        |
| System Monitoring Compounds |       |      |          |       |       |             |
| 5) 2-Fluorophenol           | 5.37  | 112  | 188017   | 15.04 | ng    | 0.00        |
| 7) Phenol-d6                | 6.39  | 99   | 284133   | 18.78 | ng    | 0.00        |
| 23) Nitrobenzene-d5         | 7.32  | 82   | 153982   | 14.97 | ng    | -0.04       |
| 41) 2,4,6-Tribromophenol    | 10.59 | 330  | 12824    | 6.21  | ng    | 0.00        |
| 44) 2-Fluorobiphenyl        | 9.13  | 172  | 277329   | 19.35 | ng    | -0.02       |
| 78) Terphenyl-d14           | 12.87 | 244  | 171072   | 12.60 | ng    | 0.00        |
| Target Compounds            |       |      |          |       |       |             |
| 49) Dimethylphthalate       | 9.52  | 163  | 37902    | 2.02  | ng    | Qvalue # 99 |
| 74) Fluoranthene            | 12.49 | 202  | 41113    | 2.06  | ng    | 94          |

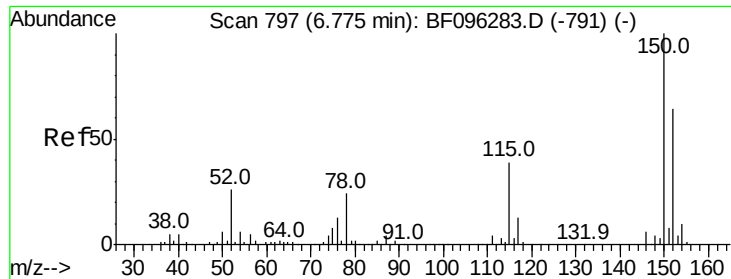
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062917\  
Data File : BF096304.D  
Acq On : 29 Jun 2017 21:03  
Operator : SJ/MA  
Sample : I3882-03 5X  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
G46-0-1.5

Quant Time: Jun 30 02:55:13 2017  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jun 28 15:41:49 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.77 min Scan# 796

Delta R.T. -0.01 min

Lab File: BF096304.D

Acq: 29 Jun 2017 21:03

Instrument :

BNA\_F

ClientSampleId :

G46-0-1.5

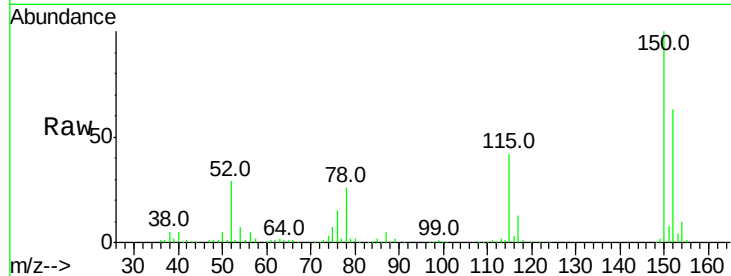
Tot Ion:152 Resp: 180045

Ion Ratio Lower Upper

152 100

150 158.2 126.2 189.2

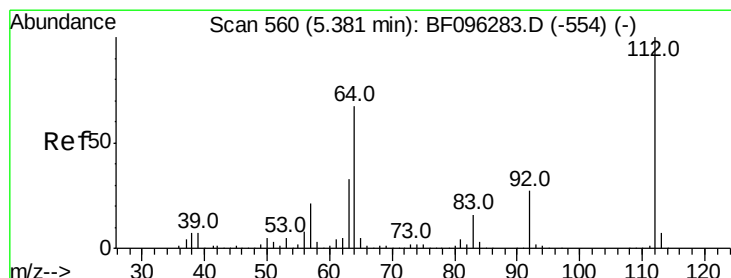
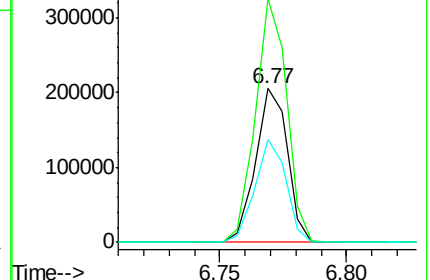
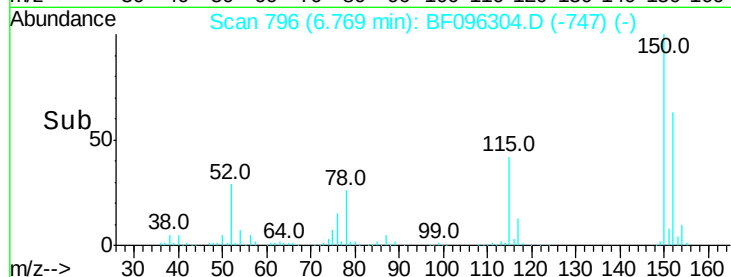
115 67.0 52.2 78.2



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: 15.04 ng

RT: 5.37 min Scan# 559

Delta R.T. -0.01 min

Lab File: BF096304.D

Acq: 29 Jun 2017 21:03

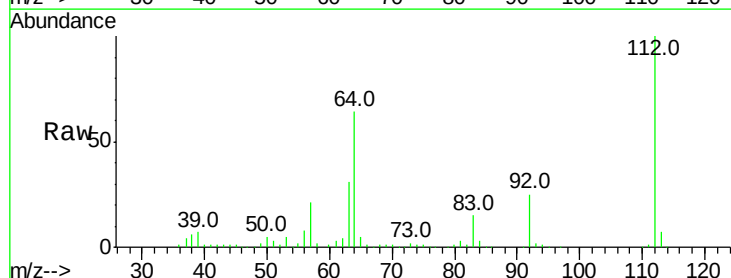
Tgt Ion:112 Resp: 188017

Ion Ratio Lower Upper

112 100

64 63.7 46.0 69.0

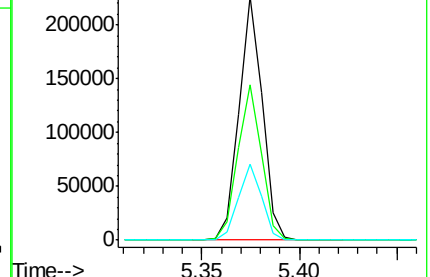
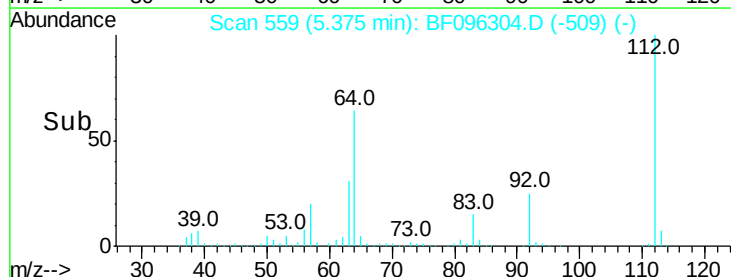
63 31.3 23.4 35.0

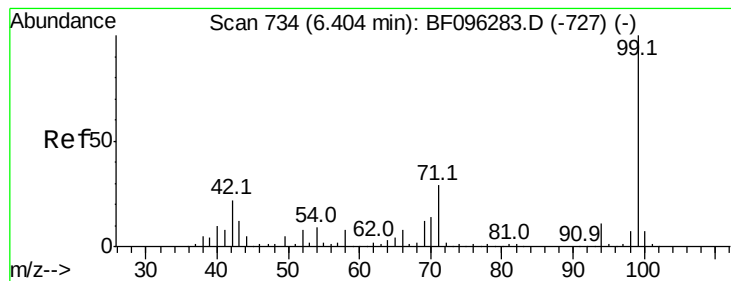


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 18.78 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.00 min

Lab File: BF096304.D

Acq: 29 Jun 2017 21:03

Instrument :

BNA\_F

ClientSampleId :

G46-0-1.5

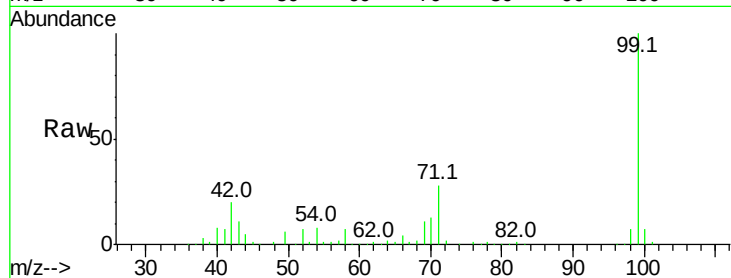
Tot Ion: 99 Resp: 284133

Ion Ratio Lower Upper

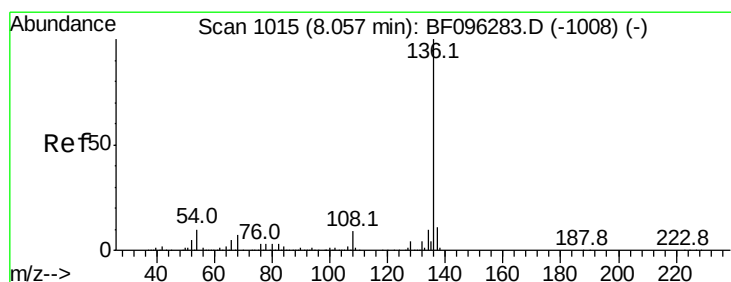
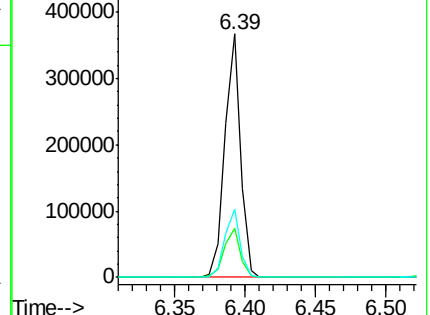
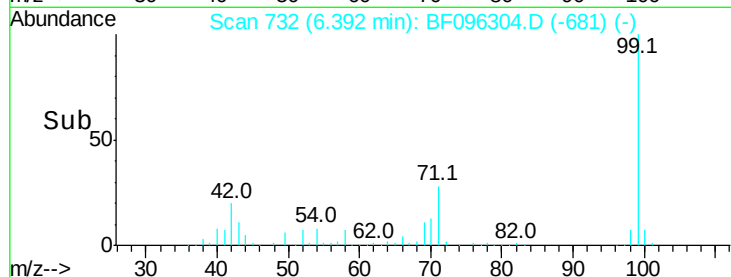
99 100

42 20.0 13.5 20.3

71 28.0 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0  
Ion 42.00 (41.70 to 42.70): BF0  
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 1014

Delta R.T. -0.01 min

Lab File: BF096304.D

Acq: 29 Jun 2017 21:03

Tgt Ion: 136 Resp: 712219

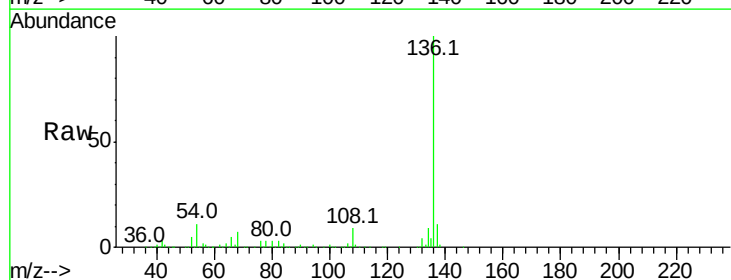
Ion Ratio Lower Upper

136 100

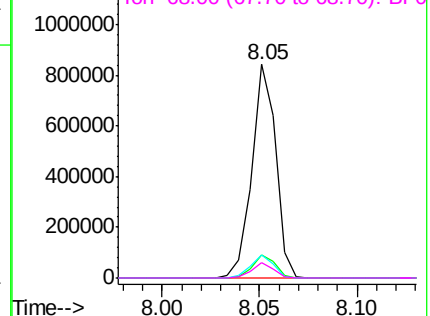
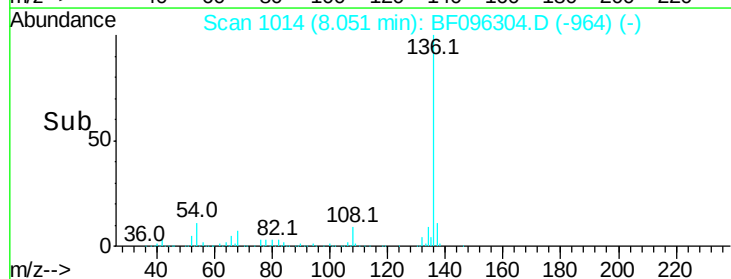
137 11.0 8.5 12.7

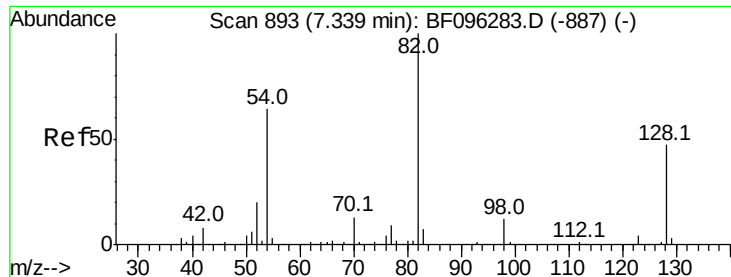
54 10.9 4.9 7.3#

68 6.9 4.1 6.1#



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): BF0  
Ion 68.00 (67.70 to 68.70): BF0

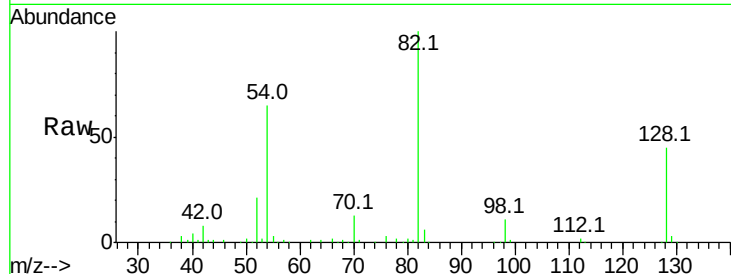




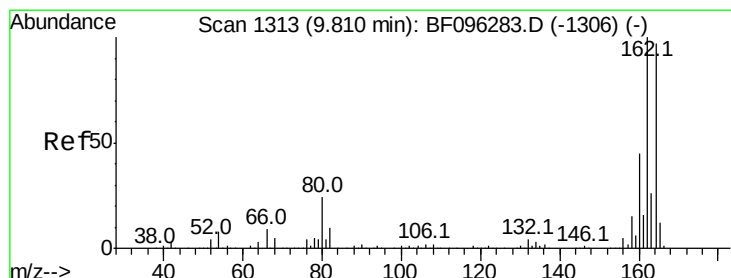
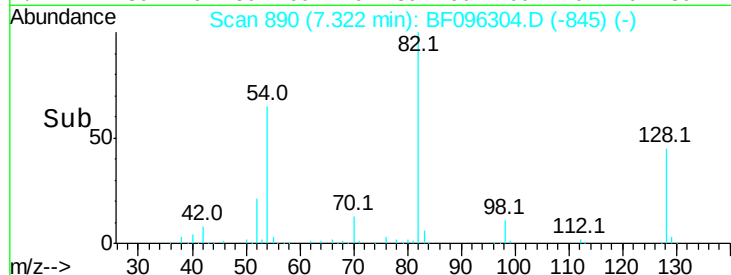
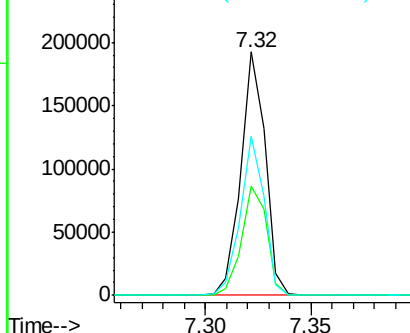
#23  
Nitrobenzene-d5  
Concen: 14.97 ng  
RT: 7.32 min Scan# 890  
Delta R.T. -0.04 min  
Lab File: BF096304.D  
Acq: 29 Jun 2017 21:03

Instrument :  
BNA\_F  
ClientSampleId :  
G46-0-1.5

Tot Ion: 82 Resp: 153982  
Ion Ratio Lower Upper  
82 100  
128 44.8 34.0 51.0  
54 65.5 42.2 63.2#

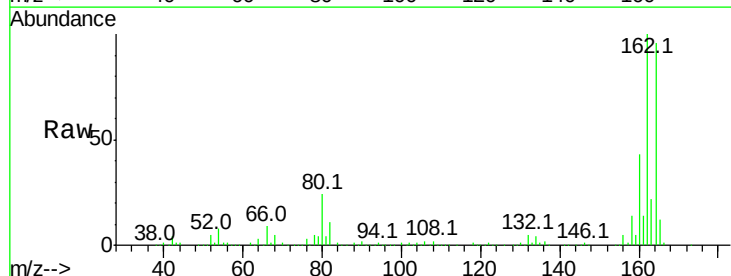


Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF0

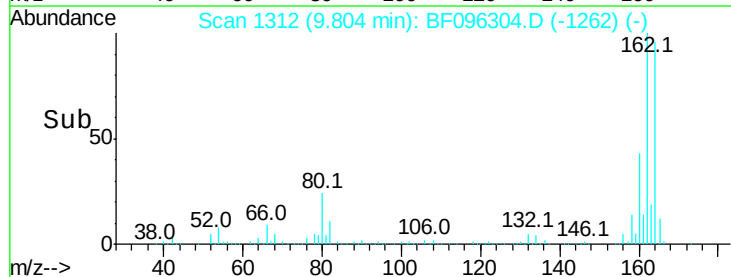
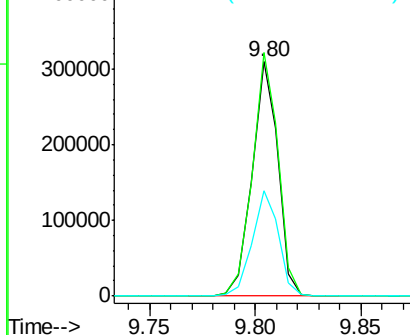


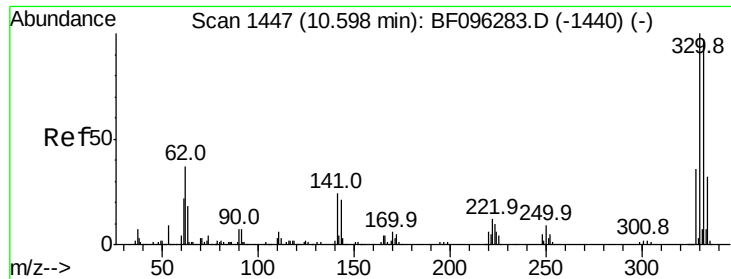
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.80 min Scan# 1312  
Delta R.T. -0.01 min  
Lab File: BF096304.D  
Acq: 29 Jun 2017 21:03

Tgt Ion:164 Resp: 262538  
Ion Ratio Lower Upper  
164 100  
162 103.8 82.6 123.8  
160 44.9 36.2 54.2



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: 6.21 ng

RT: 10.59 min Scan# 1445

Delta R.T. -0.01 min

Lab File: BF096304.D

Acq: 29 Jun 2017 21:03

Instrument :

BNA\_F

ClientSampleId :

G46-0-1.5

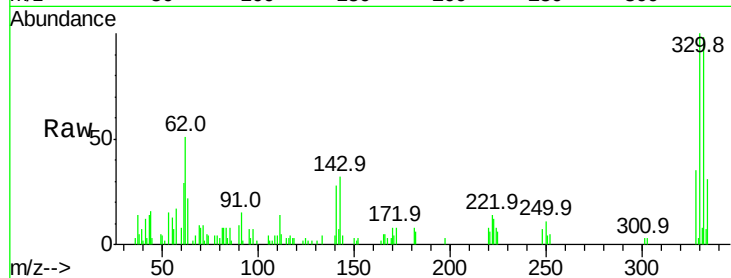
Tot Ion:330 Resp: 12824

Ion Ratio Lower Upper

330 100

332 93.9 76.6 115.0

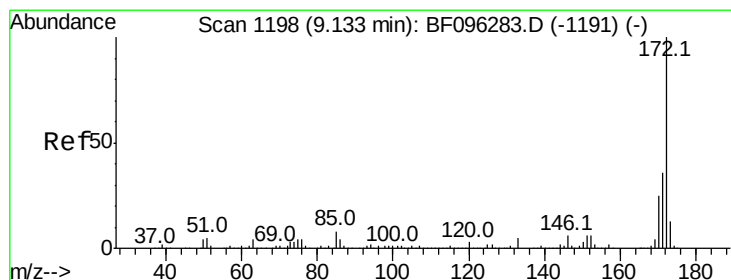
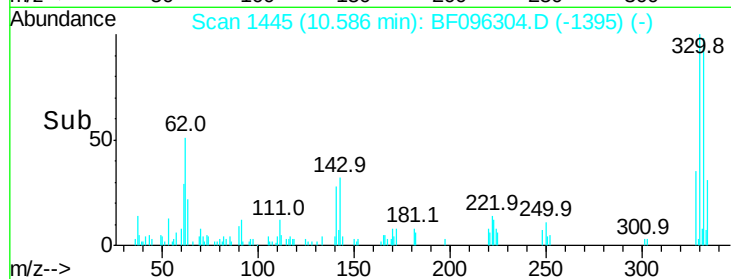
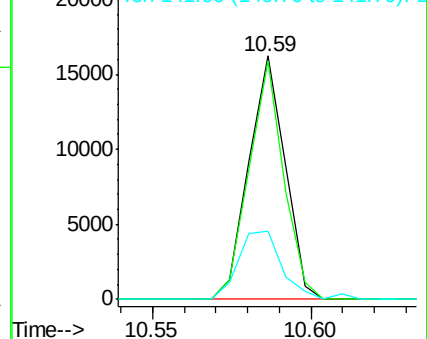
141 34.3 31.4 47.2



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: 19.35 ng

RT: 9.13 min Scan# 1197

Delta R.T. -0.02 min

Lab File: BF096304.D

Acq: 29 Jun 2017 21:03

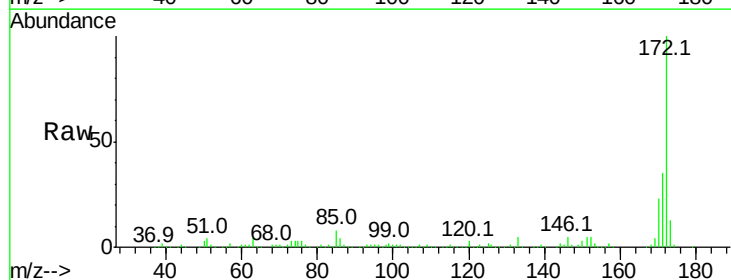
Tgt Ion:172 Resp: 277329

Ion Ratio Lower Upper

172 100

171 35.1 29.6 44.4

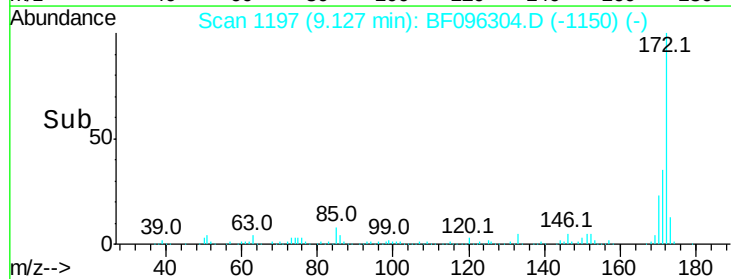
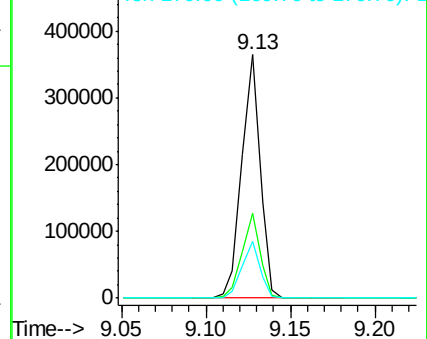
170 23.5 19.8 29.8

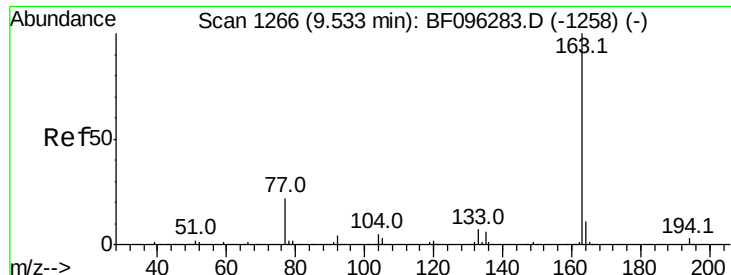


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 2.02 ng

RT: 9.52 min Scan# 1264

Delta R.T. -0.01 min

Lab File: BF096304.D

Acq: 29 Jun 2017 21:03

Instrument :

BNA\_F

ClientSampleId :

G46-0-1.5

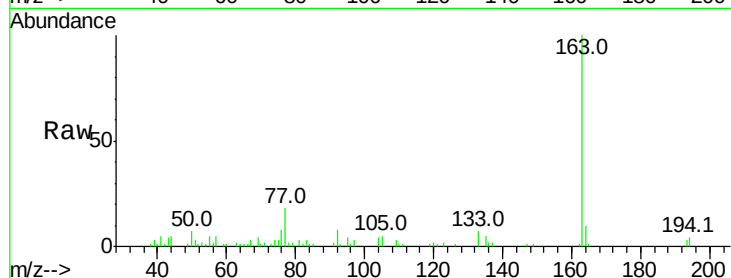
Tot Ion:163 Resp: 37902

Ion Ratio Lower Upper

163 100

194 4.2 2.6 4.0#

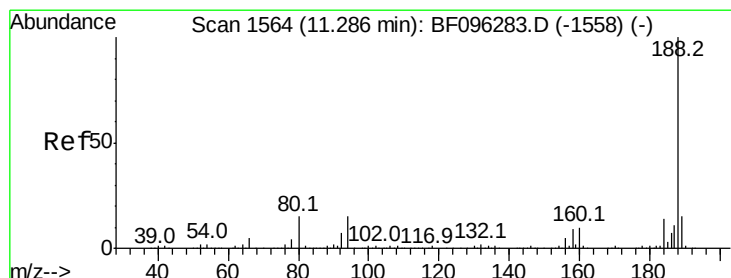
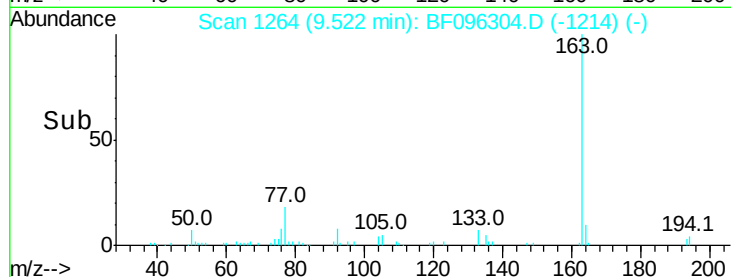
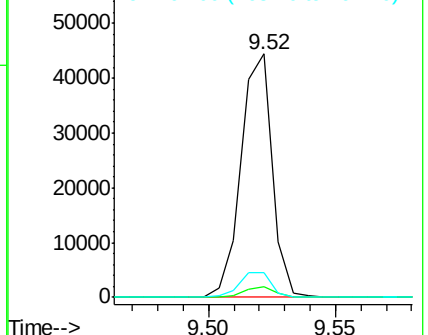
164 10.3 8.4 12.6



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: 20.00 ng

RT: 11.29 min Scan# 1564

Delta R.T. -0.00 min

Lab File: BF096304.D

Acq: 29 Jun 2017 21:03

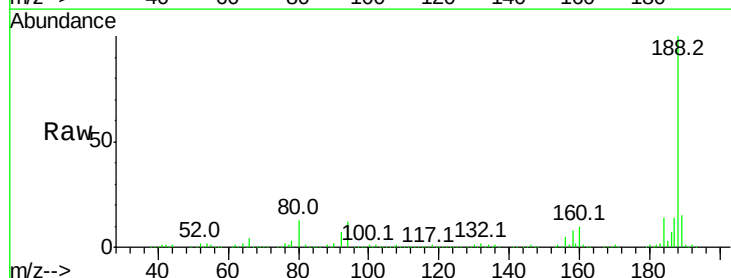
Tgt Ion:188 Resp: 359906

Ion Ratio Lower Upper

188 100

94 12.5 9.4 14.2

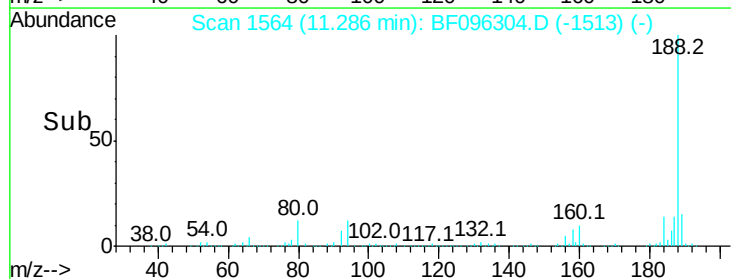
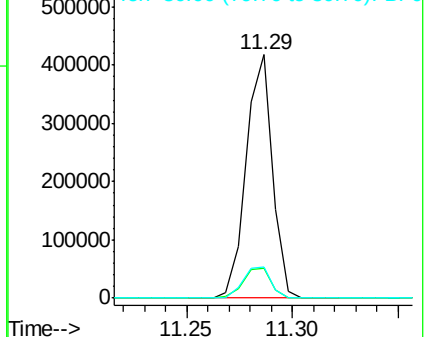
80 12.5 10.2 15.2

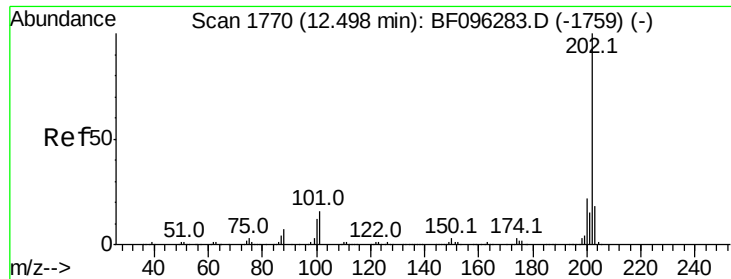


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#74

Fluoranthene

Concen: 2.06 ng

RT: 12.49 min Scan# 1769

Delta R.T. -0.00 min

Lab File: BF096304.D

Acq: 29 Jun 2017 21:03

Instrument :

BNA\_F

ClientSampleId :

G46-0-1.5

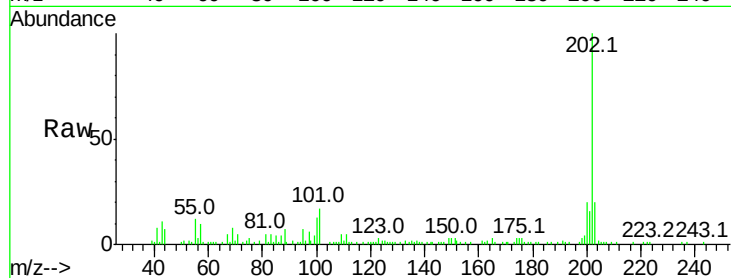
Tot Ion:202 Resp: 41113

Ion Ratio Lower Upper

202 100

101 16.8 0.0 33.2

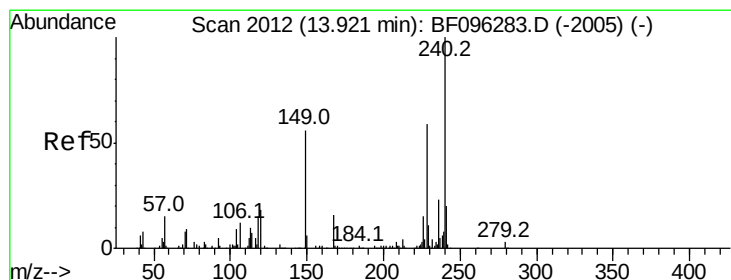
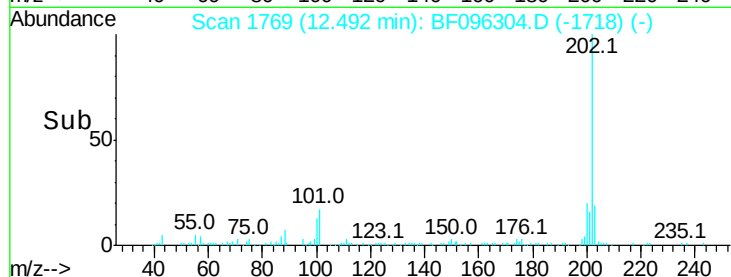
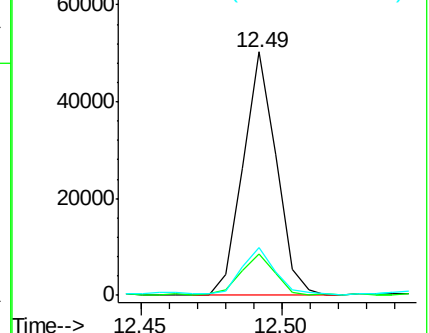
203 19.6 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.92 min Scan# 2011

Delta R.T. -0.00 min

Lab File: BF096304.D

Acq: 29 Jun 2017 21:03

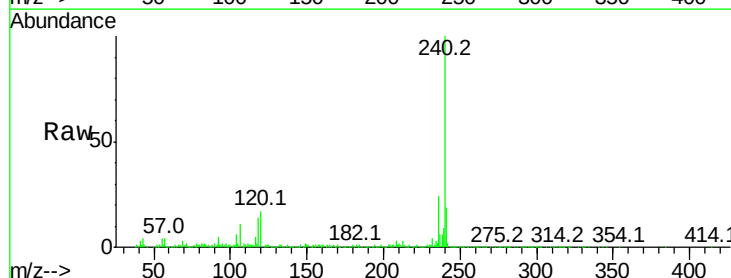
Tgt Ion:240 Resp: 338655

Ion Ratio Lower Upper

240 100

120 16.7 5.8 8.8#

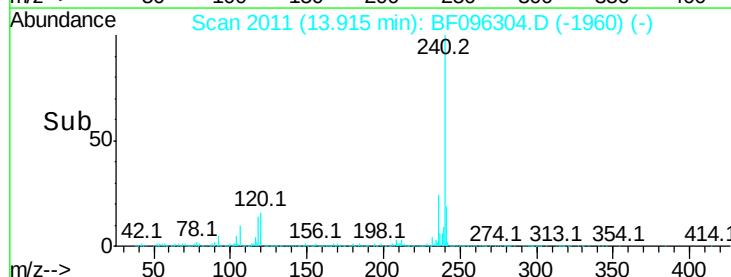
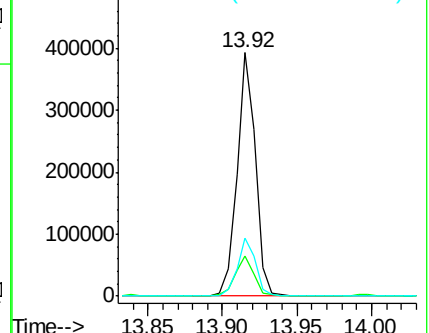
236 23.9 20.5 30.7



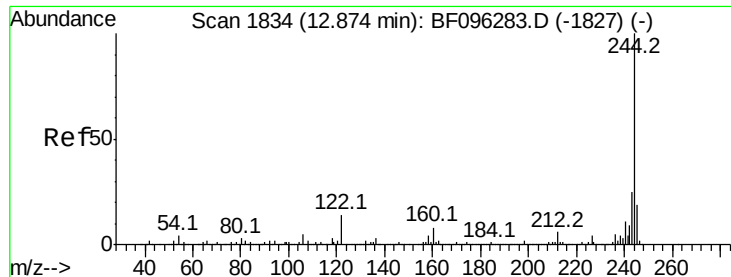
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E







#78

Terphenyl-d14

Concen: 12.60 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.00 min

Lab File: BF096304.D

Acq: 29 Jun 2017 21:03

Instrument :

BNA\_F

ClientSampled :

G46-0-1.5

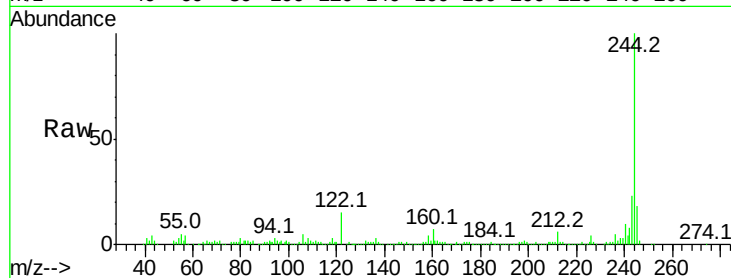
Tot Ion:244 Resp: 171072

Ion Ratio Lower Upper

244 100

212 5.8 6.0 9.0#

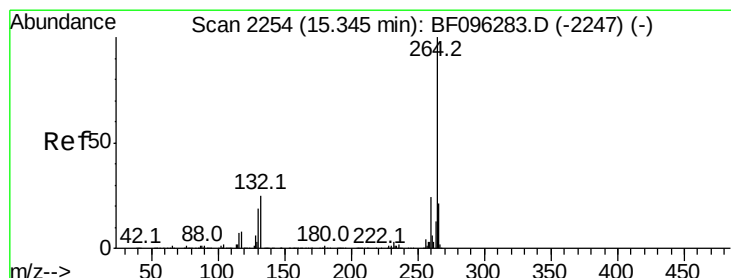
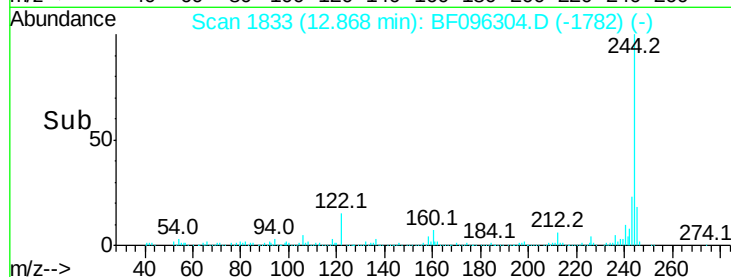
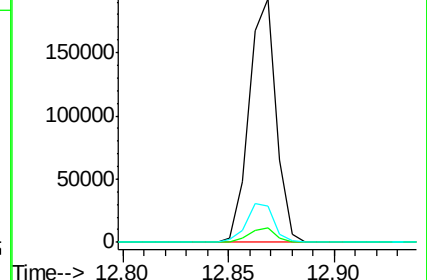
122 14.7 10.3 15.5



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: 20.00 ng

RT: 15.34 min Scan# 2254

Delta R.T. 0.01 min

Lab File: BF096304.D

Acq: 29 Jun 2017 21:03

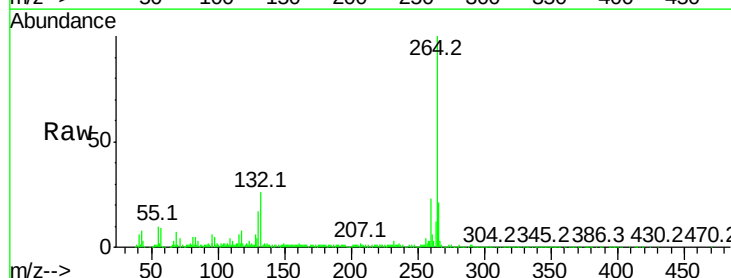
Tgt Ion:264 Resp: 265054

Ion Ratio Lower Upper

264 100

260 23.3 19.5 29.3

265 21.0 17.2 25.8



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

