

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062817\  
 Data File : BF096271.D  
 Acq On : 29 Jun 2017 2:18  
 Operator : SJ/MA  
 Sample : I3898-01DL 5X  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 A6987MDWDL

Quant Time: Jun 29 17:39:16 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

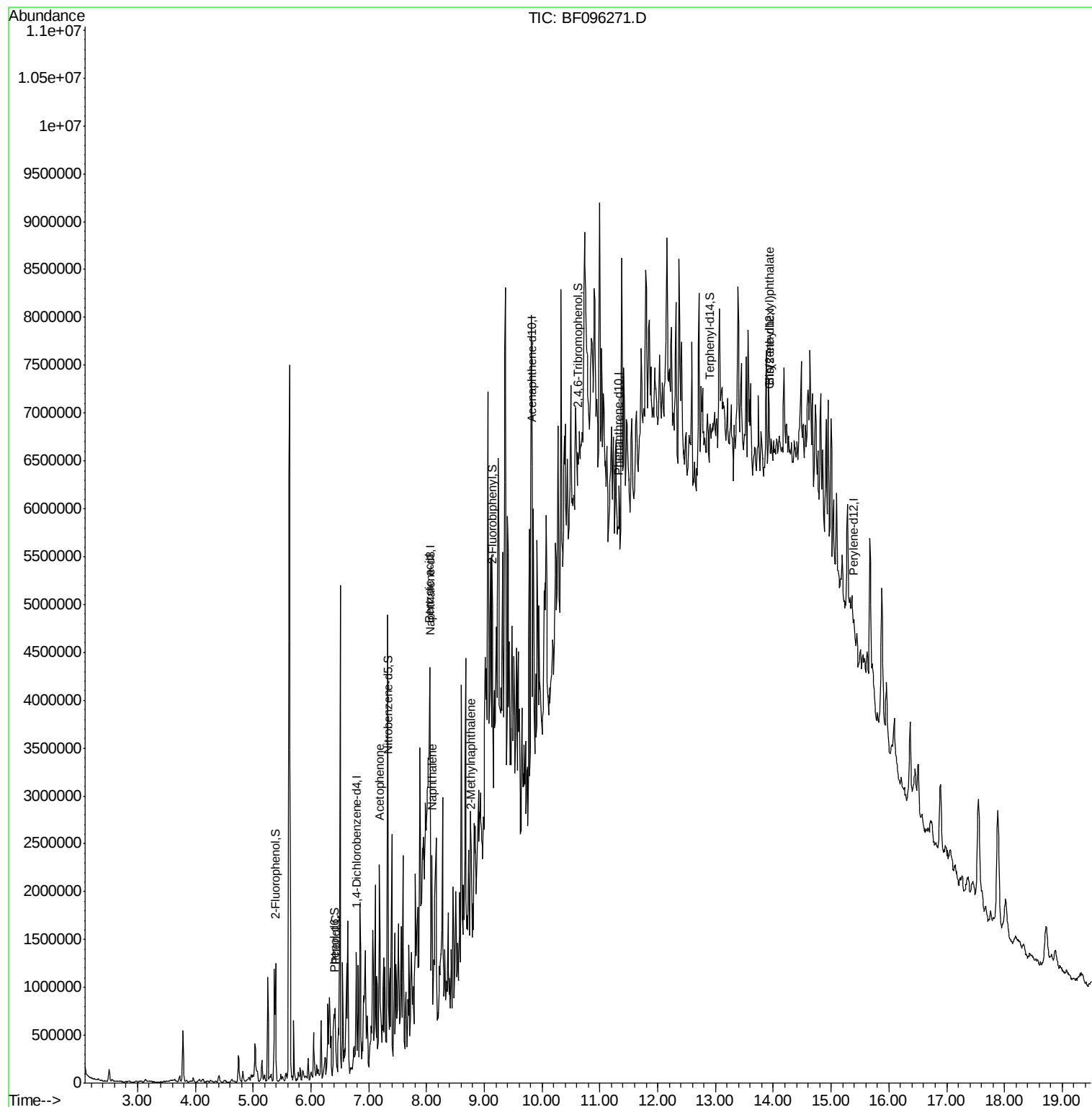
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.79  | 152  | 131884   | 20.00  | ng    | 0.00      |
| 21) Naphthalene-d8             | 8.07  | 136  | 442789   | 20.00  | ng    | 0.01      |
| 38) Acenaphthene-d10           | 9.83  | 164  | 112458   | 20.00  | ng    | 0.02      |
| 63) Phenanthrene-d10           | 11.31 | 188  | 248517   | 20.00  | ng    | 0.02      |
| 75) Chrysene-d12               | 13.94 | 240  | 176974   | 20.00  | ng    | 0.03      |
| 86) Perylene-d12               | 15.39 | 264  | 166563   | 20.00  | ng    | 0.05      |
| System Monitoring Compounds    |       |      |          |        |       |           |
| 5) 2-Fluorophenol              | 5.39  | 112  | 166701   | 18.21  | ng    | 0.00      |
| 7) Phenol-d6                   | 6.40  | 99   | 138944   | 12.53  | ng    | 0.01      |
| 23) Nitrobenzene-d5            | 7.34  | 82   | 147455   | 23.05  | ng    | -0.02     |
| 41) 2,4,6-Tribromophenol       | 10.61 | 330  | 39335    | 44.44  | ng    | 0.02      |
| 44) 2-Fluorobiphenyl           | 9.15  | 172  | 219135   | 35.69  | ng    | 0.00      |
| 78) Terphenyl-d14              | 12.90 | 244  | 130420   | 18.39  | ng    | 0.03      |
| Target Compounds               |       |      |          |        |       |           |
| 10) Phenol                     | 6.42  | 94   | 129163   | 10.60  | ng    | Qvalue 87 |
| 22) Acetophenone               | 7.19  | 105  | 336172   | 36.53  | ng    | # 71      |
| 31) Naphthalene                | 8.09  | 128  | 520141   | 24.37  | ng    | 99        |
| 32) Benzoic acid               | 8.05  | 122  | 4427994  | 787.63 | ng    | 95        |
| 37) 2-Methylnaphthalene        | 8.78  | 142  | 250385   | 18.06  | ng    | 98        |
| 83) Bis(2-ethylhexyl)phthalate | 13.94 | 149  | 213025   | 29.41  | ng    | # 94      |

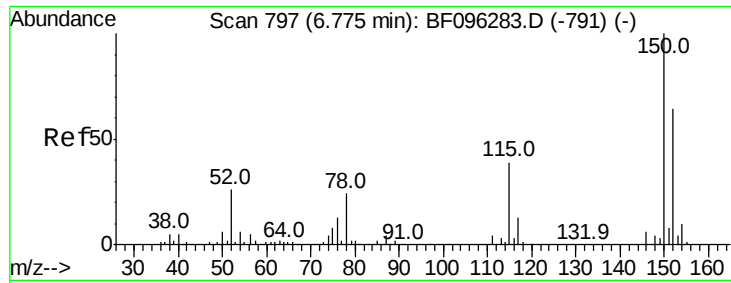
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.79 min Scan# 799

Delta R.T. 0.01 min

Lab File: BF096271.D

Acq: 29 Jun 2017 2:18

Instrument :

BNA\_F

ClientSampleId :

A6987MDWDL

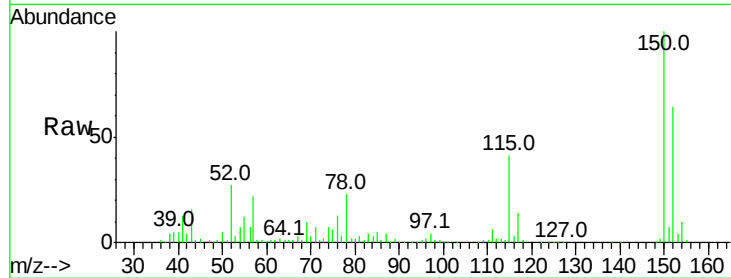
Tot Ion:152 Resp: 131884

Ion Ratio Lower Upper

152 100

150 157.3 126.2 189.2

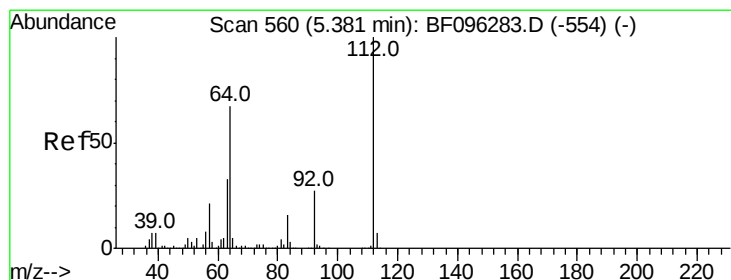
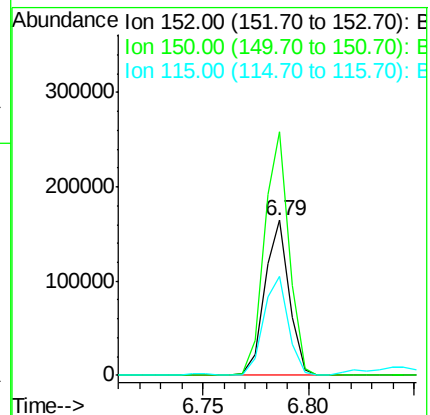
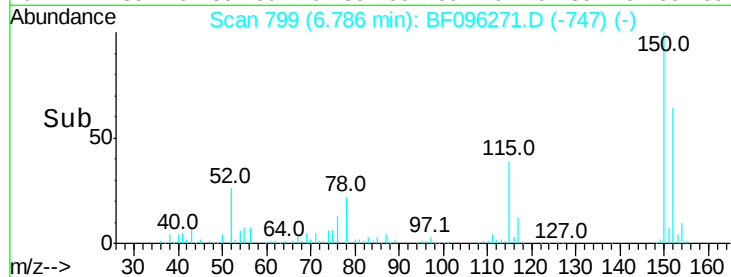
115 63.9 52.2 78.2



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: 18.21 ng

RT: 5.39 min Scan# 561

Delta R.T. 0.01 min

Lab File: BF096271.D

Acq: 29 Jun 2017 2:18

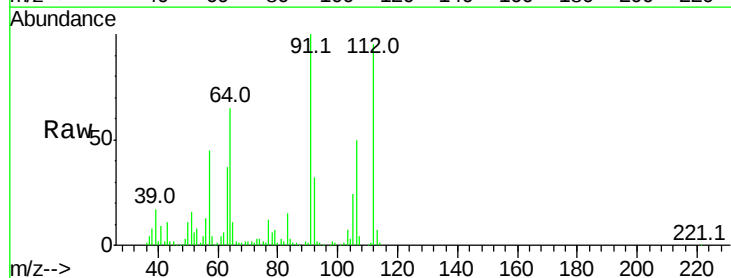
Tgt Ion:112 Resp: 166701

Ion Ratio Lower Upper

112 100

64 67.9 46.0 69.0

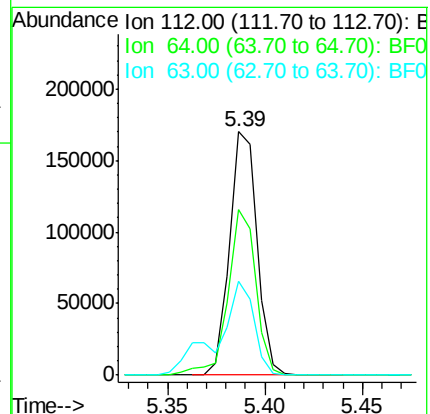
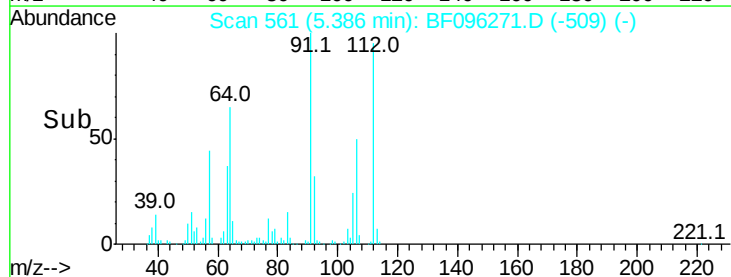
63 38.3 23.4 35.0#

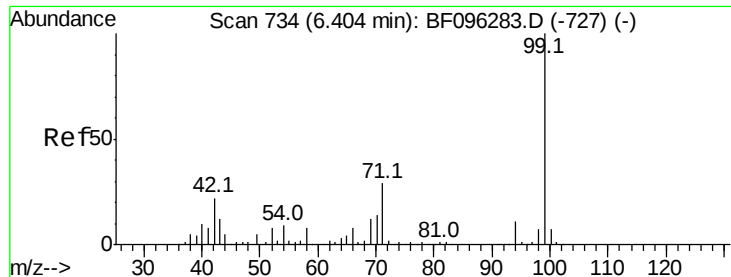


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 12.53 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.01 min

Lab File: BF096271.D

Acq: 29 Jun 2017 2:18

Instrument :

BNA\_F

ClientSampleId :

A6987MDWDL

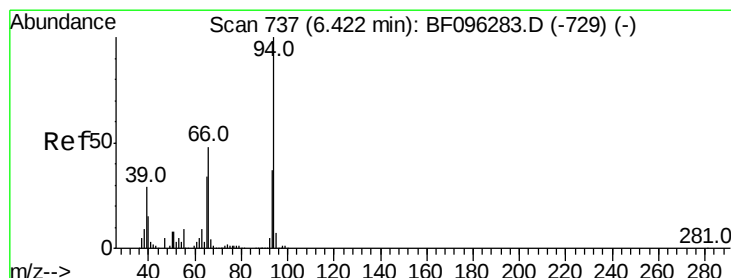
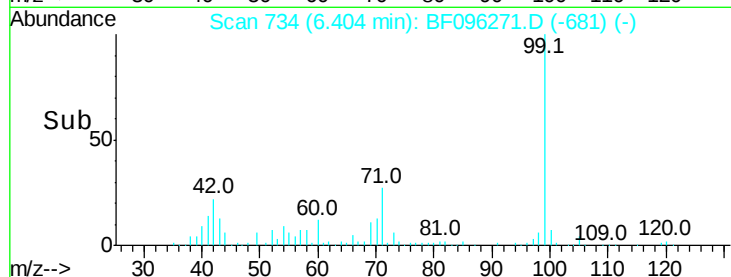
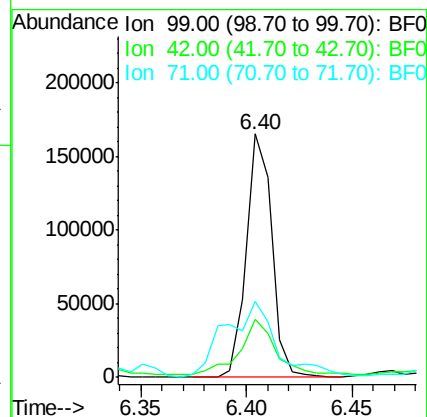
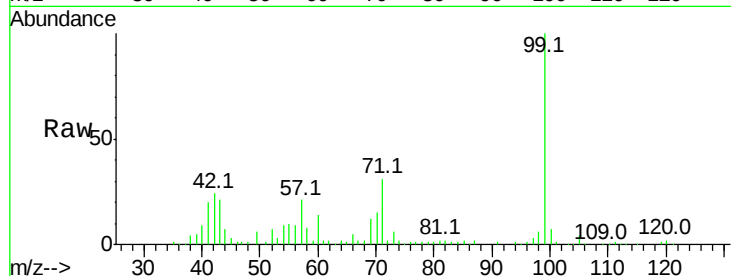
Tot Ion: 99 Resp: 138944

Ion Ratio Lower Upper

99 100

42 23.6 13.5 20.3#

71 31.0 24.5 36.7



#10

Phenol

Concen: 10.60 ng

RT: 6.42 min Scan# 737

Delta R.T. 0.02 min

Lab File: BF096271.D

Acq: 29 Jun 2017 2:18

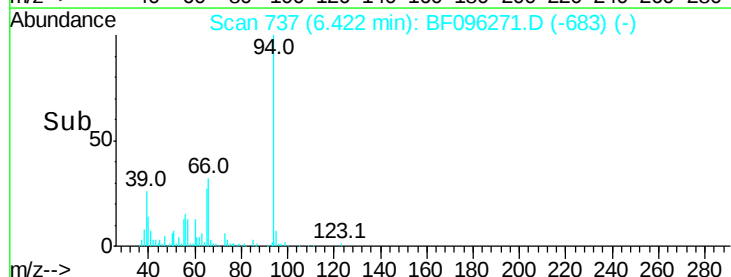
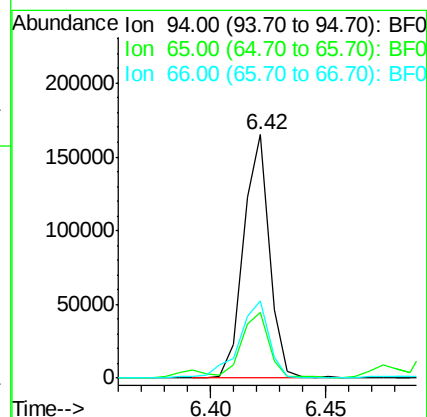
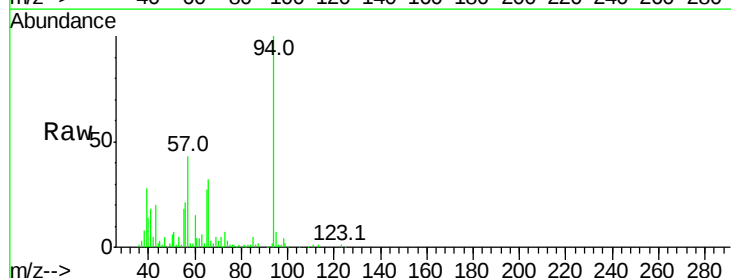
Tgt Ion: 94 Resp: 129163

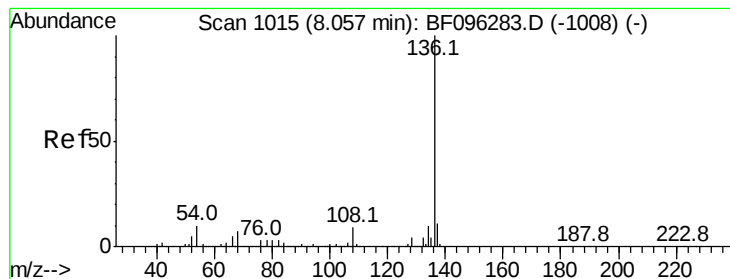
Ion Ratio Lower Upper

94 100

65 26.9 9.9 49.9

66 31.9 23.1 63.1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.07 min Scan# 1017

Delta R.T. 0.01 min

Lab File: BF096271.D

Acq: 29 Jun 2017 2:18

Instrument :

BNA\_F

ClientSampleId :

A6987MDWDL

Tot Ion:136 Resp: 442789

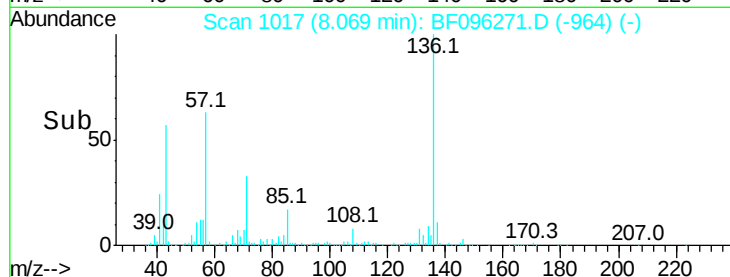
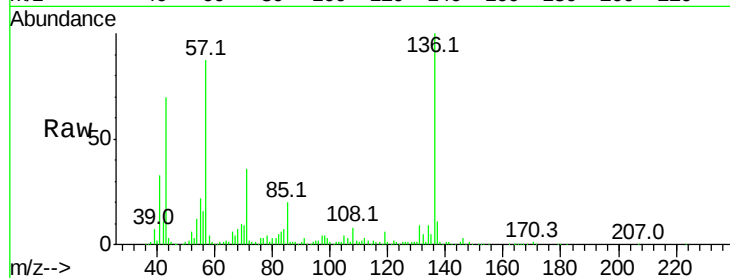
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 11.7 4.9 7.3#

68 7.5 4.1 6.1#

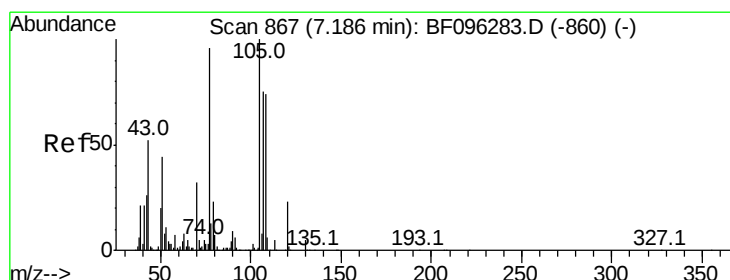
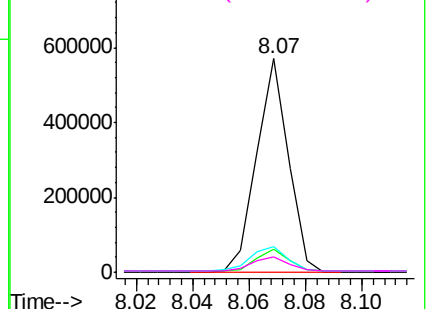


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 36.53 ng

RT: 7.19 min Scan# 867

Delta R.T. -0.02 min

Lab File: BF096271.D

Acq: 29 Jun 2017 2:18

Tgt Ion:105 Resp: 336172

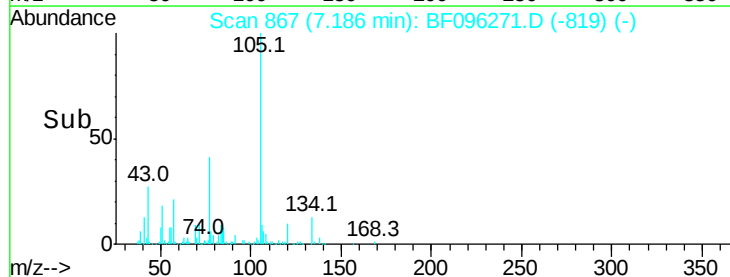
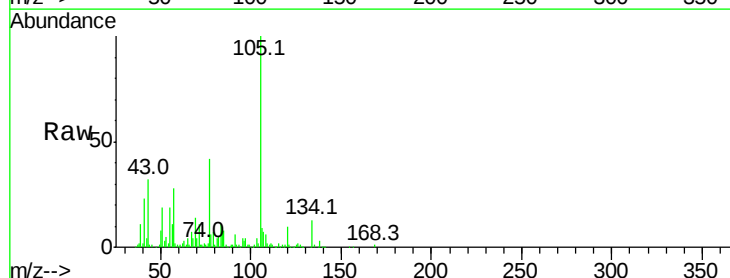
Ion Ratio Lower Upper

105 100

71 10.9 2.8 4.2#

51 19.2 30.7 46.1#

120 9.6 17.4 26.0#

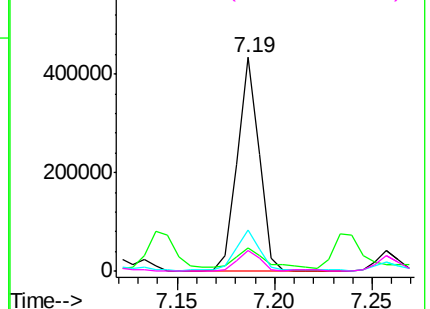


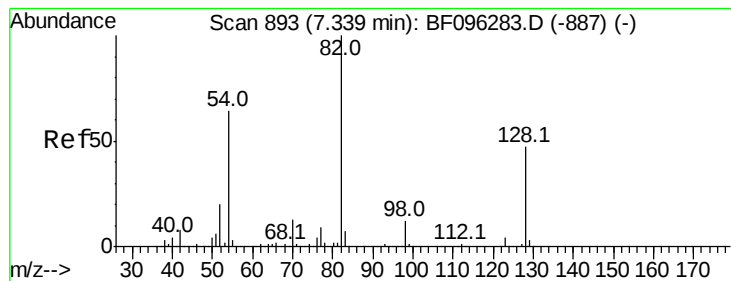
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 23.05 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.02 min

Lab File: BF096271.D

Acq: 29 Jun 2017 2:18

Instrument :

BNA\_F

ClientSampleId :

A6987MDWDL

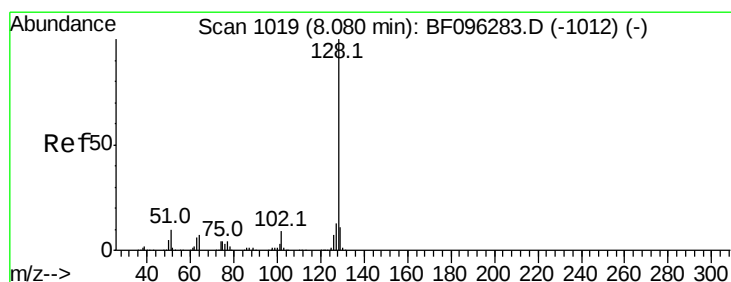
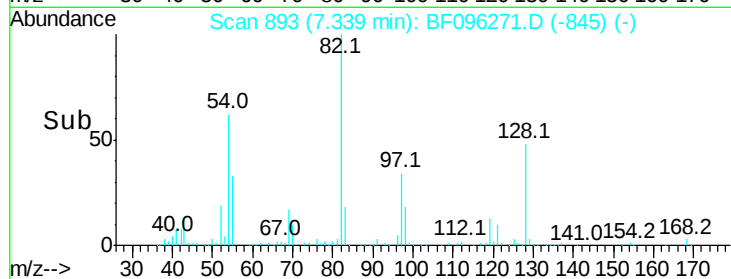
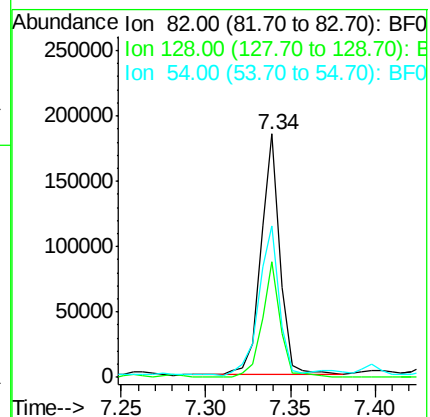
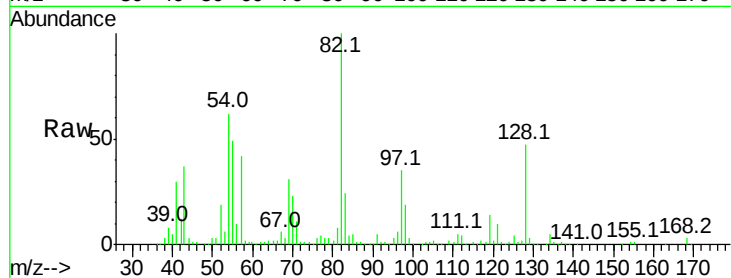
Tot Ion: 82 Resp: 147455

Ion Ratio Lower Upper

82 100

128 47.2 34.0 51.0

54 62.3 42.2 63.2



#31

Naphthalene

Concen: 24.37 ng

RT: 8.09 min Scan# 1021

Delta R.T. 0.01 min

Lab File: BF096271.D

Acq: 29 Jun 2017 2:18

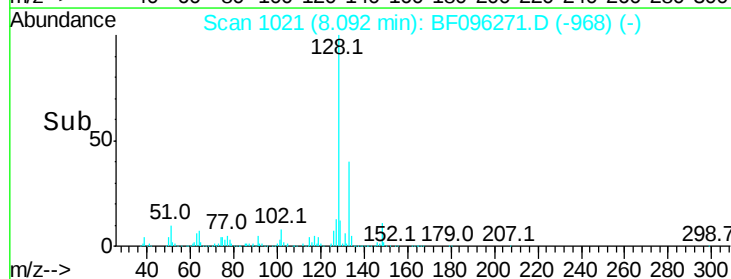
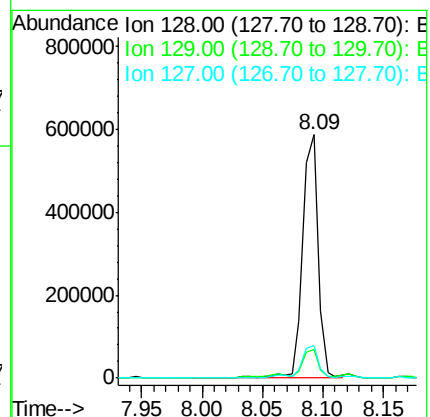
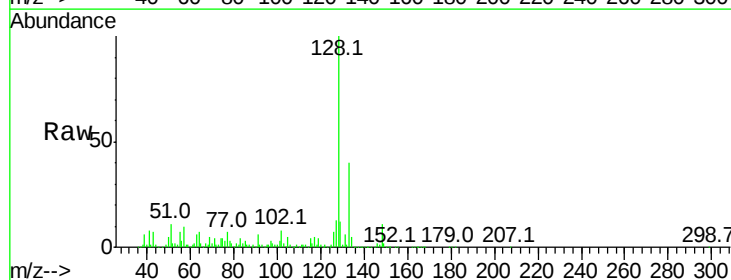
Tgt Ion: 128 Resp: 520141

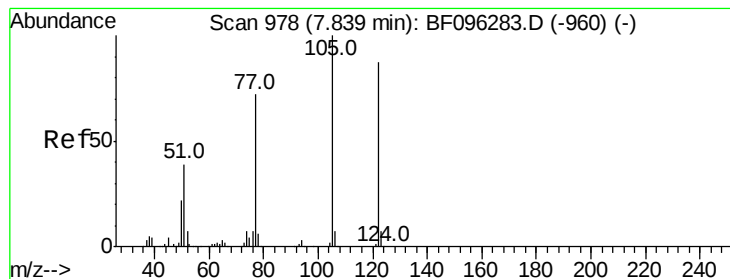
Ion Ratio Lower Upper

128 100

129 11.9 9.0 13.6

127 13.1 10.8 16.2





#32

Benzoic acid

Concen: 787.63 ng

RT: 8.05 min Scan# 1014

Delta R.T. 0.17 min

Lab File: BF096271.D

Acq: 29 Jun 2017 2:18

Instrument :

BNA\_F

ClientSampleId :

A6987MDWDL

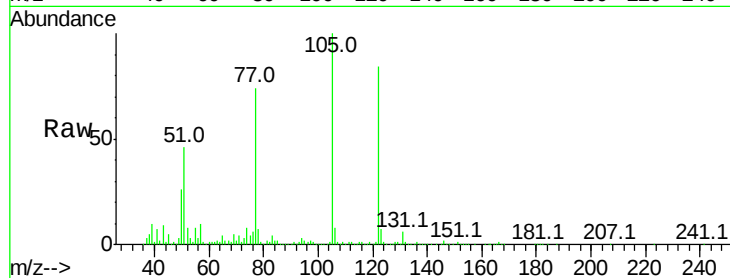
Tot Ion:122 Resp: 4427994

Ion Ratio Lower Upper

122 100

105 118.9 103.3 143.3

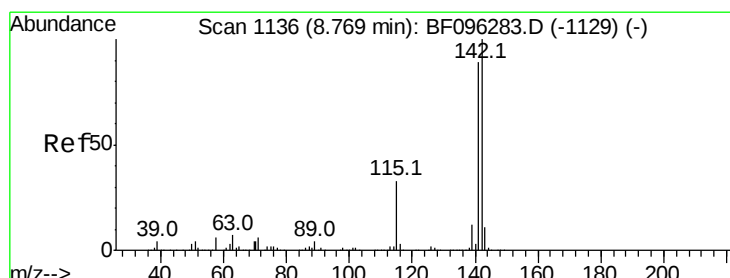
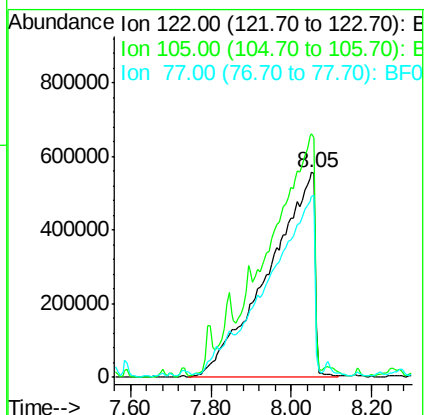
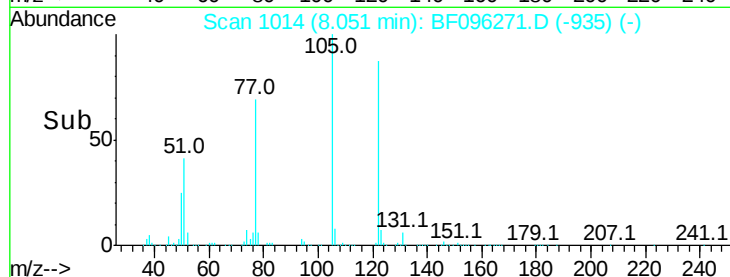
77 88.3 73.7 113.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#37

2-Methylnaphthalene

Concen: 18.06 ng

RT: 8.78 min Scan# 1138

Delta R.T. 0.01 min

Lab File: BF096271.D

Acq: 29 Jun 2017 2:18

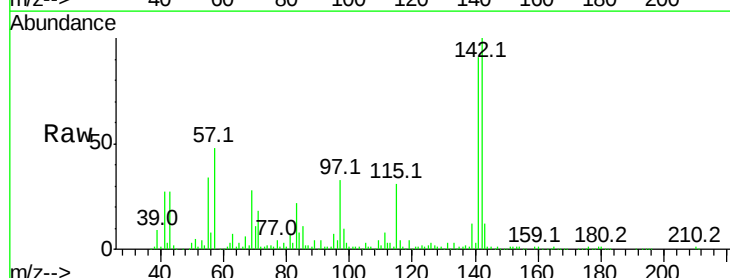
Tgt Ion:142 Resp: 250385

Ion Ratio Lower Upper

142 100

141 90.5 71.3 106.9

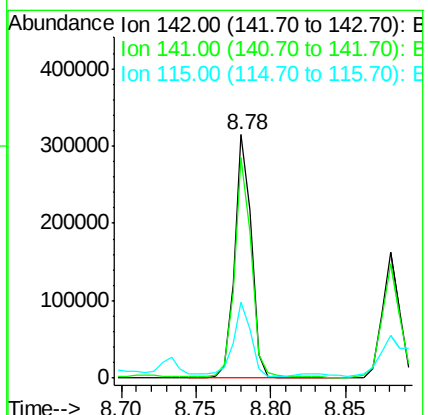
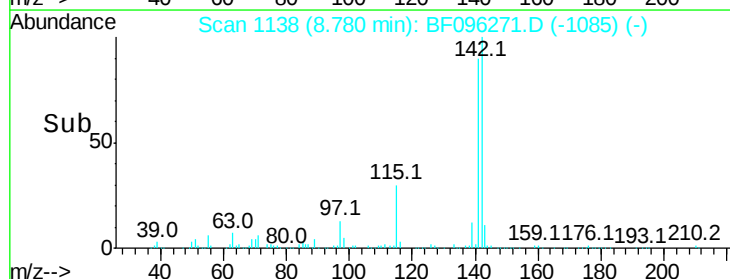
115 31.3 27.1 40.7

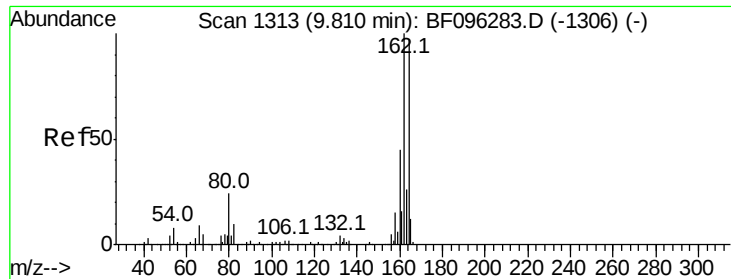


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.83 min Scan# 1316

Delta R.T. 0.02 min

Lab File: BF096271.D

Acq: 29 Jun 2017 2:18

Instrument :

BNA\_F

ClientSampleId :

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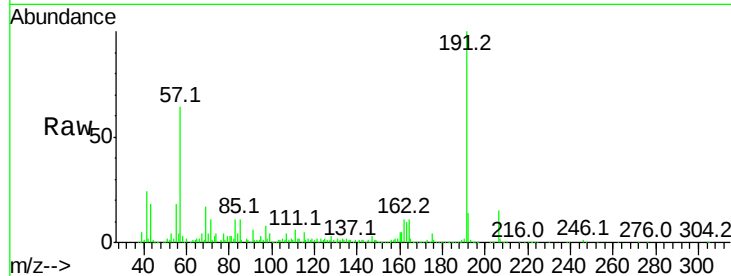
Tot Ion:164 Resp: 112458

Ion Ratio Lower Upper

164 100

162 102.3 82.6 123.8

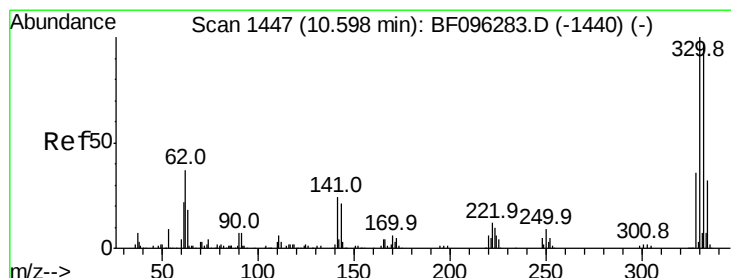
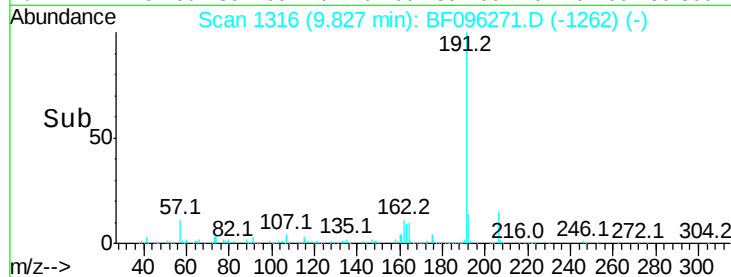
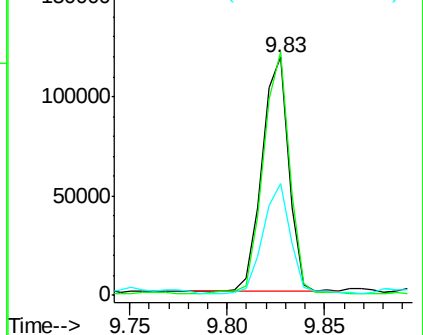
160 47.0 36.2 54.2



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: 44.44 ng

RT: 10.61 min Scan# 1449

Delta R.T. 0.02 min

Lab File: BF096271.D

Acq: 29 Jun 2017 2:18

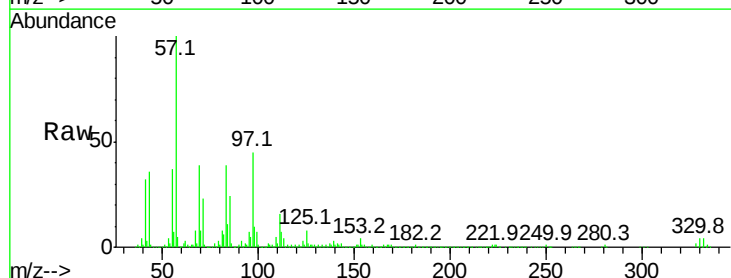
Tgt Ion:330 Resp: 39335

Ion Ratio Lower Upper

330 100

332 98.9 76.6 115.0

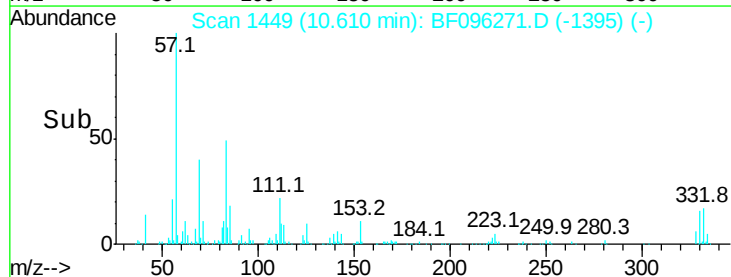
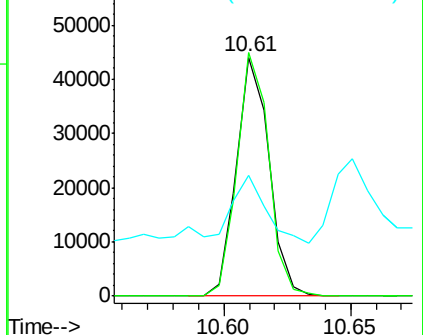
141 29.1 31.4 47.2#

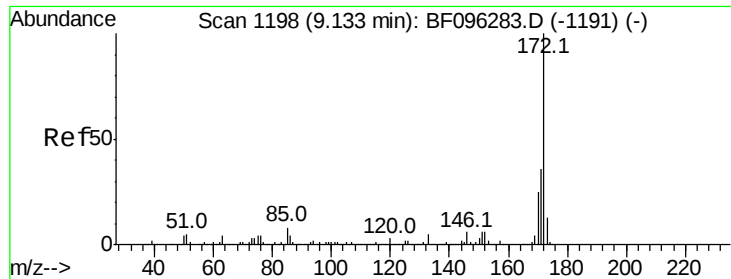


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

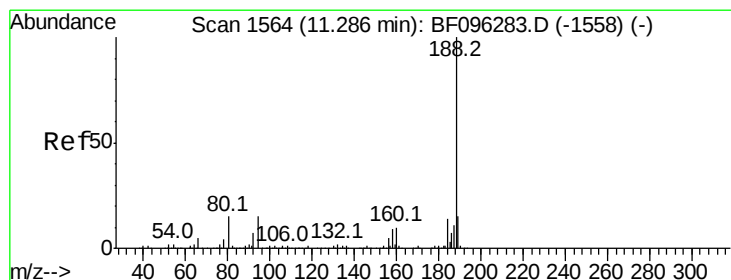
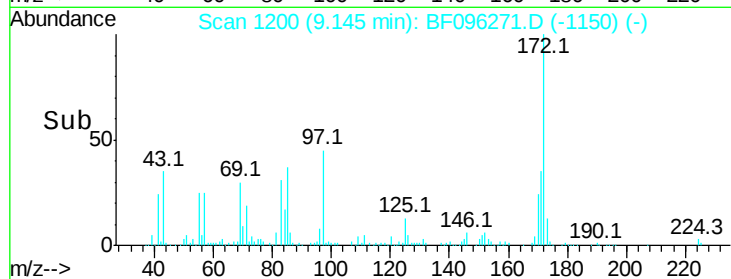
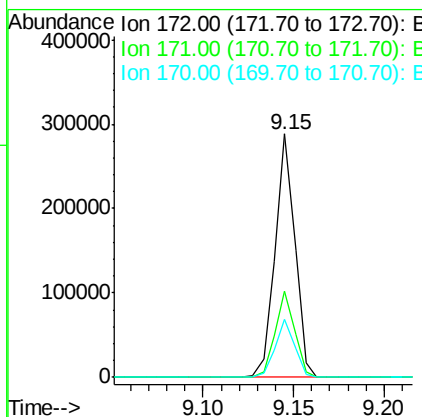
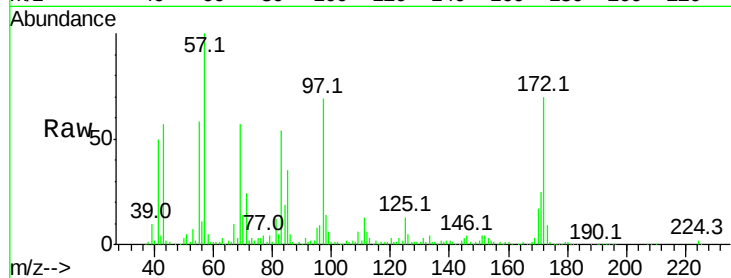




#44  
 2-Fluorobiphenyl  
 Concen: 35.69 ng  
 RT: 9.15 min Scan# 1200  
 Delta R.T. -0.00 min  
 Lab File: BF096271.D  
 Acq: 29 Jun 2017 2:18

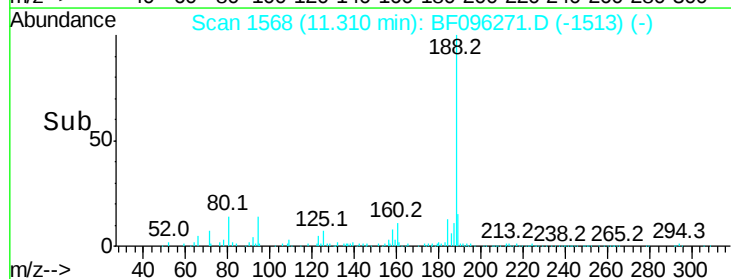
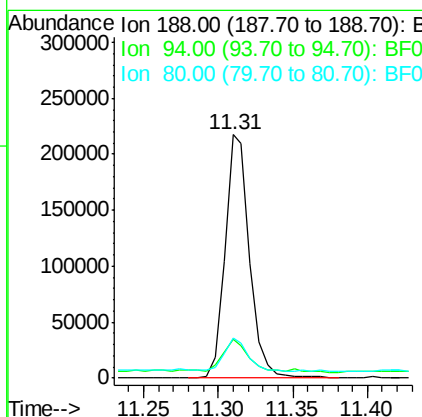
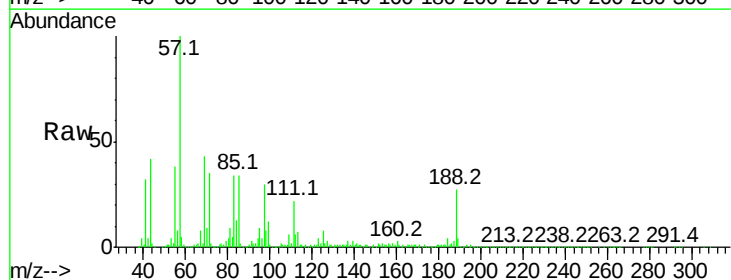
Instrument :  
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 ClientSampleId :  
 A6987MDWDL

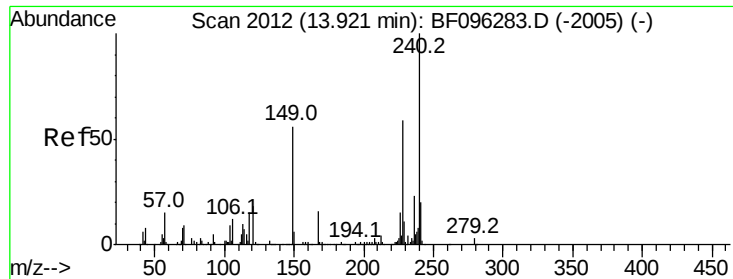
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.4  | 29.6  | 44.4  |
| 170     | 23.8  | 19.8  | 29.8  |



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.31 min Scan# 1568  
 Delta R.T. 0.02 min  
 Lab File: BF096271.D  
 Acq: 29 Jun 2017 2:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 16.1  | 9.4   | 14.2# |
| 80      | 16.3  | 10.2  | 15.2# |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.94 min Scan# 2016

Delta R.T. 0.03 min

Lab File: BF096271.D

Acq: 29 Jun 2017 2:18

Instrument :

BNA\_F

ClientSampleId :

A6987MDWDL

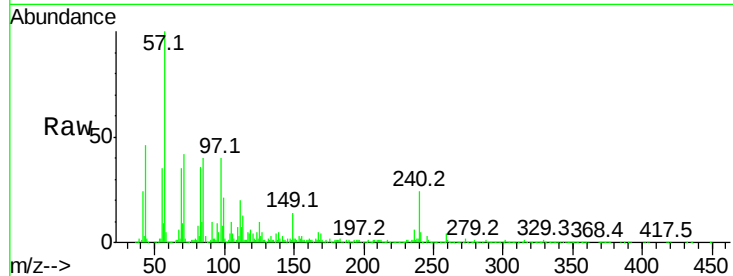
Tot Ion:240 Resp: 176974

Ion Ratio Lower Upper

240 100

120 16.9 5.8 8.8#

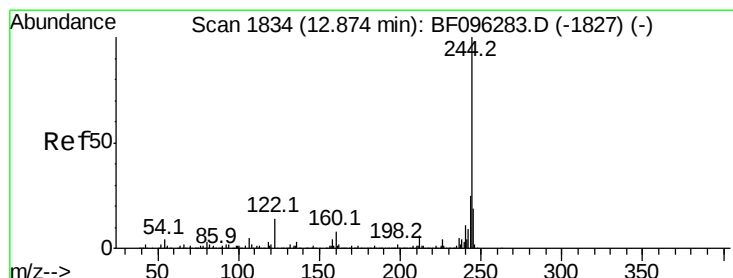
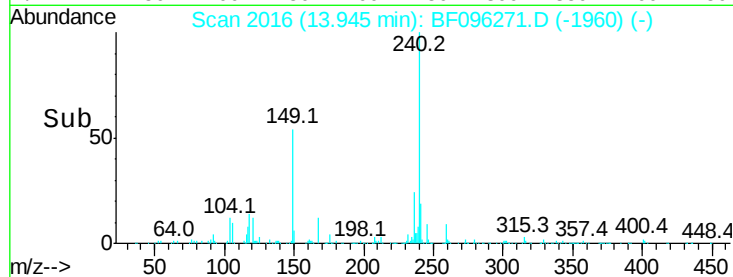
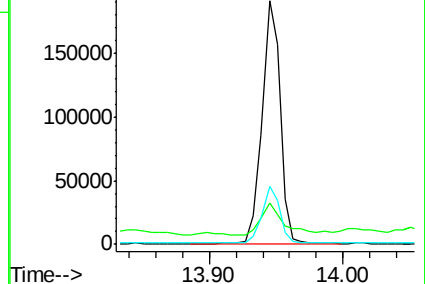
236 23.8 20.5 30.7



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: 18.39 ng

RT: 12.90 min Scan# 1838

Delta R.T. 0.03 min

Lab File: BF096271.D

Acq: 29 Jun 2017 2:18

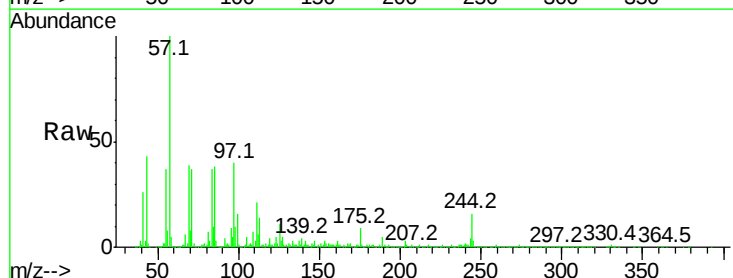
Tgt Ion:244 Resp: 130420

Ion Ratio Lower Upper

244 100

212 6.4 6.0 9.0

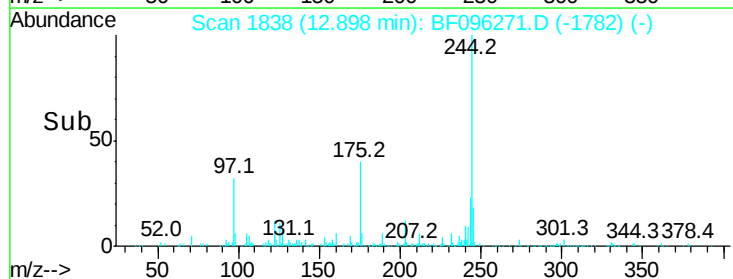
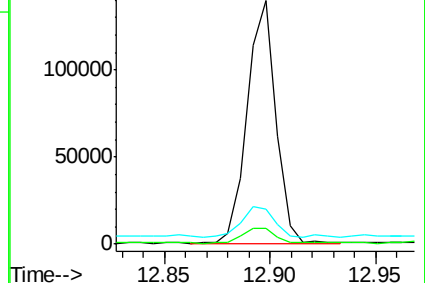
122 14.5 10.3 15.5

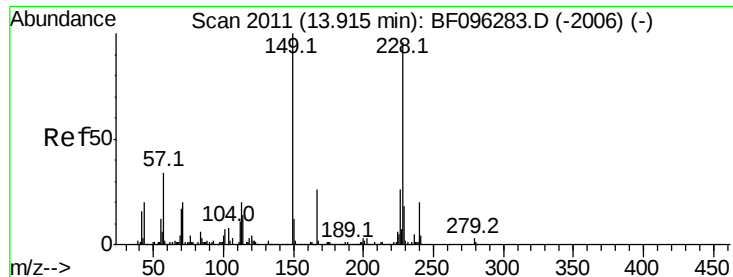


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 29.41 ng

RT: 13.94 min Scan# 2015

Delta R.T. 0.02 min

Lab File: BF096271.D

Acq: 29 Jun 2017 2:18

Instrument :

BNA\_F

ClientSampleId :

A6987MDWDL

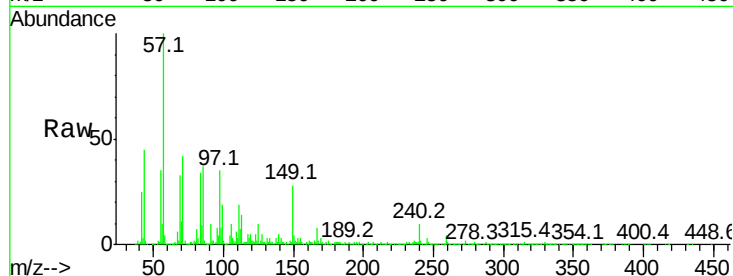
Tot Ion:149 Resp: 213025

Ion Ratio Lower Upper

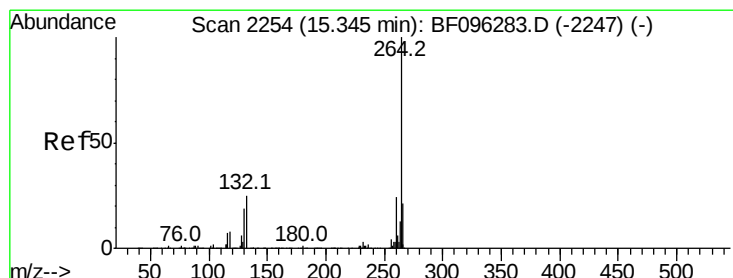
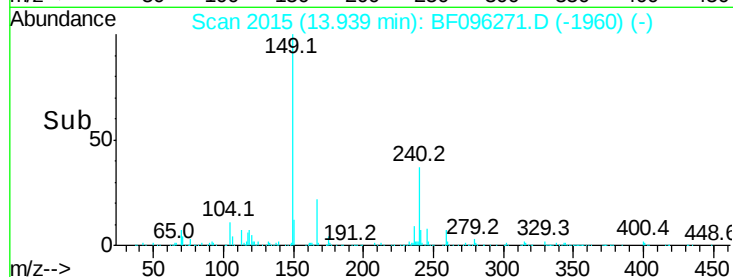
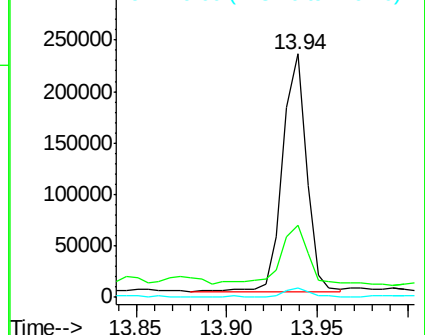
149 100

167 29.5 21.0 31.4

279 3.9 1.9 2.9#



Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 167.00 (166.70 to 167.70): E  
Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.39 min Scan# 2262

Delta R.T. 0.05 min

Lab File: BF096271.D

Acq: 29 Jun 2017 2:18

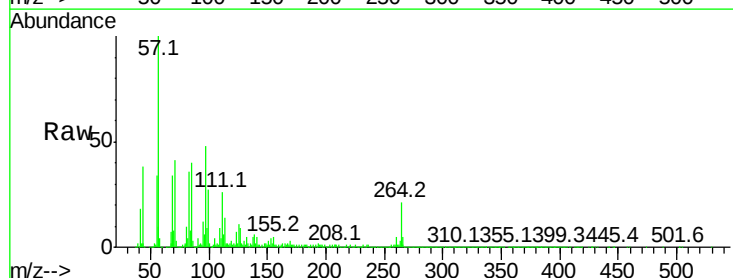
Tgt Ion:264 Resp: 166563

Ion Ratio Lower Upper

264 100

260 23.0 19.5 29.3

265 22.0 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

