

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF052616\  
 Data File : BF087416.D  
 Acq On : 26 May 2016 19:33  
 Operator : UM/SJ  
 Sample : PB90911BL  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB90911BL

Quant Time: May 27 01:29:00 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF052316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 25 16:26:52 2016  
 Response via : Initial Calibration

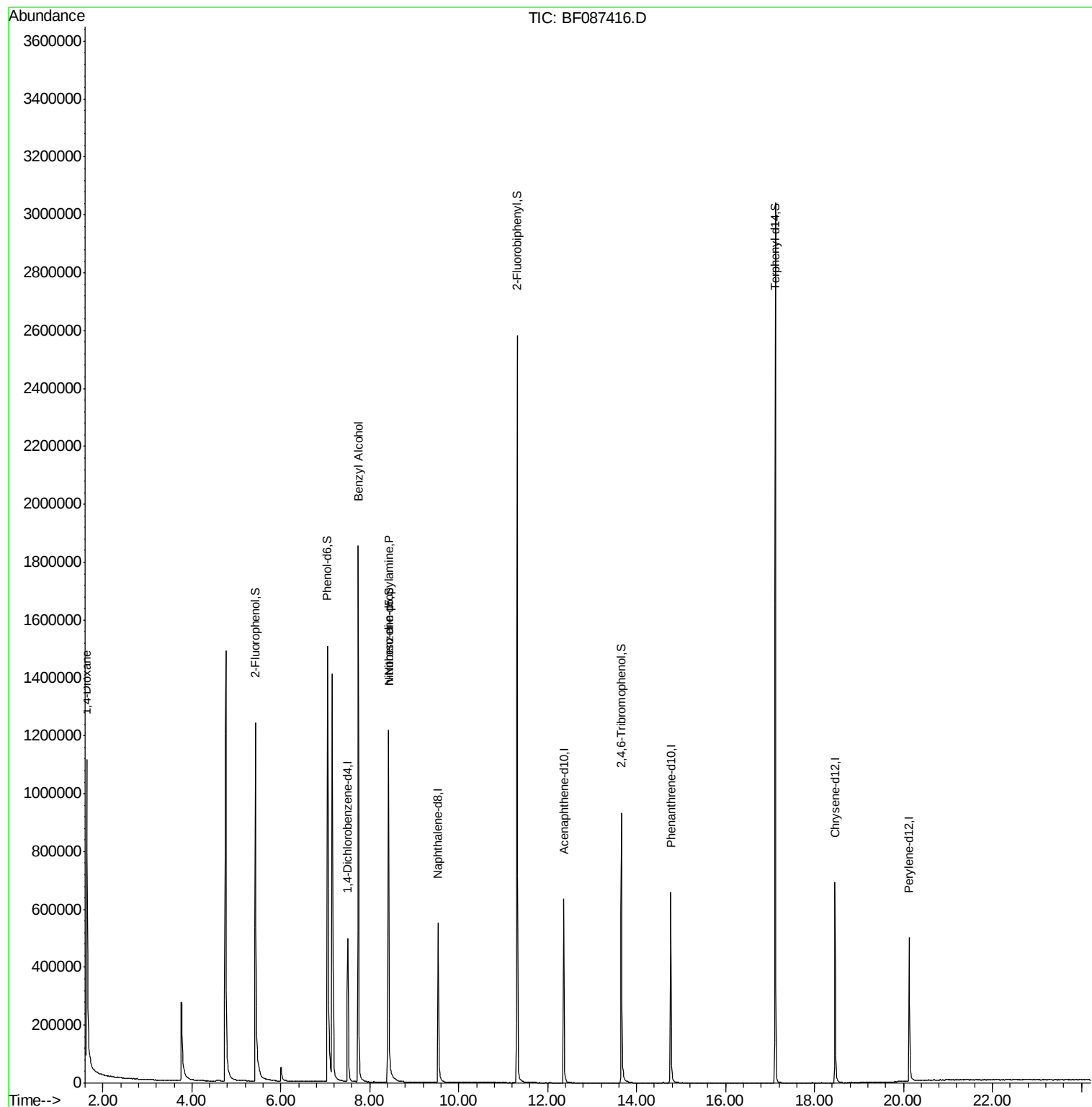
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.51  | 152  | 103785   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8             | 9.53  | 136  | 427310   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10           | 12.36 | 164  | 198751   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10           | 14.77 | 188  | 399120   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12               | 18.46 | 240  | 334992   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12               | 20.13 | 264  | 252389   | 20.00 | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 5.43  | 112  | 526188   | 89.09 | ng    | 0.01     |
| 7) Phenol-d6                   | 7.05  | 99   | 668717   | 83.79 | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 8.42  | 82   | 671609   | 79.21 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 13.66 | 330  | 149996   | 78.53 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl           | 11.31 | 172  | 1107288  | 78.54 | ng    | -0.02    |
| 78) Terphenyl-d14              | 17.12 | 244  | 1112969  | 70.63 | ng    | -0.01    |
| Target Compounds               |       |      |          |       |       |          |
| 2) 1,4-Dioxane                 | 1.63  | 88   | 36701    | 11.78 | ng    | # 22     |
| 15) Benzyl Alcohol             | 7.74  | 79   | 12136    | 2.09  | ng    | # 43     |
| 19) n-Nitroso-di-n-propylamine | 8.42  | 70   | 89742    | 15.08 | ng    | # 78     |

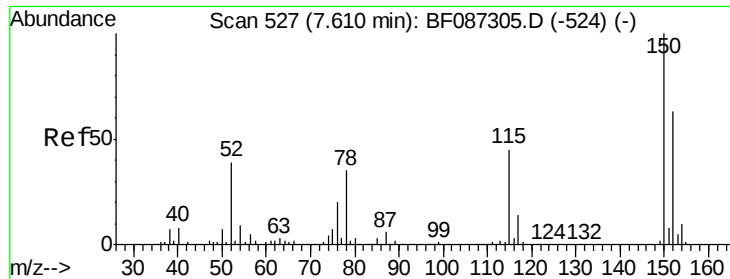
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.51 min Scan# 518

Delta R.T. -0.01 min

Lab File: BF087416.D

Acq: 26 May 2016 19:33

Instrument :

BNA\_F

ClientSampleId :

PB90911BL

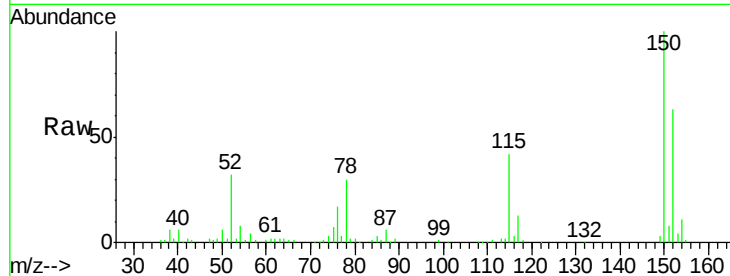
Tgt Ion:152 Resp: 103785

Ion Ratio Lower Upper

152 100

150 159.8 125.8 188.6

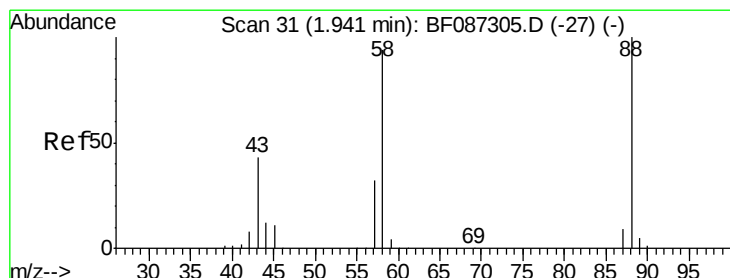
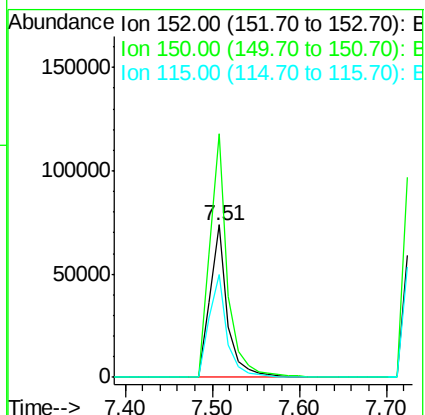
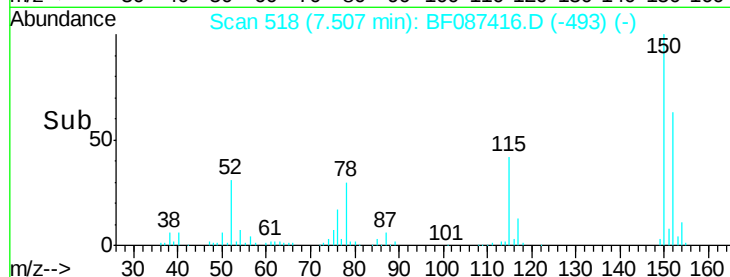
115 67.4 51.5 77.3



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



#2

1,4-Dioxane

Concen: 11.78 ng

RT: 1.63 min Scan# 4

Delta R.T. -0.18 min

Lab File: BF087416.D

Acq: 26 May 2016 19:33

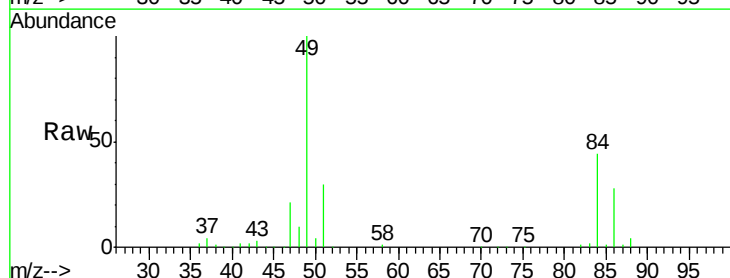
Tgt Ion: 88 Resp: 36701

Ion Ratio Lower Upper

88 100

58 0.0 59.6 89.4#

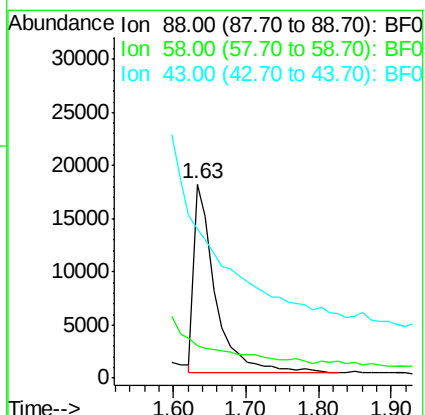
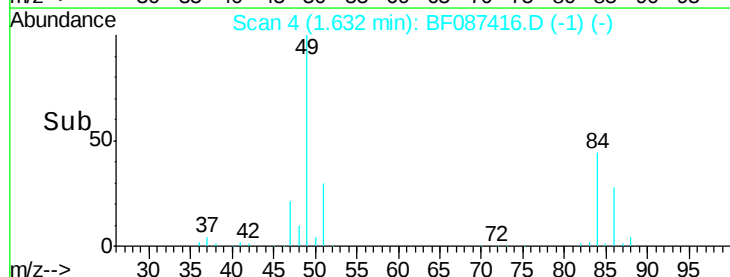
43 0.0 21.8 32.6#

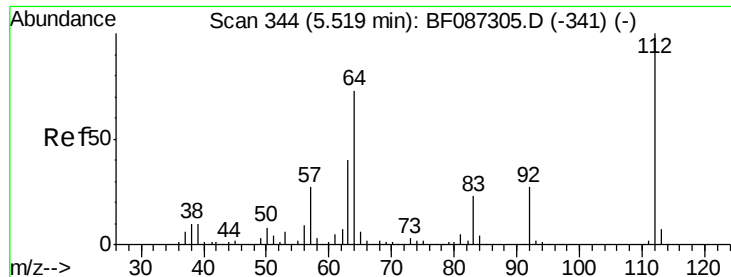


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

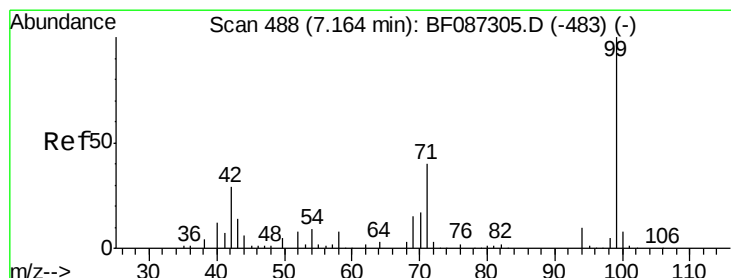
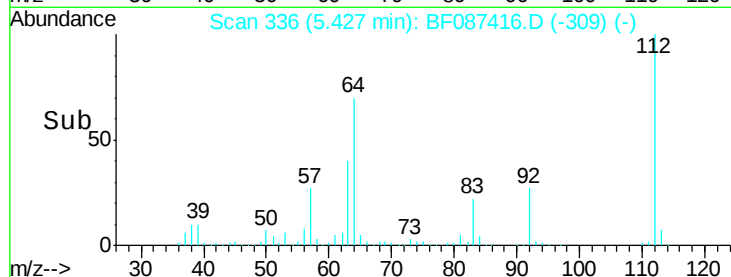
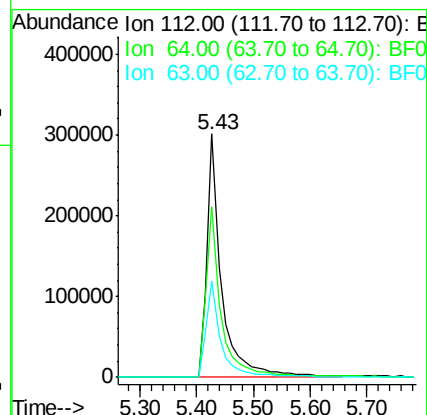
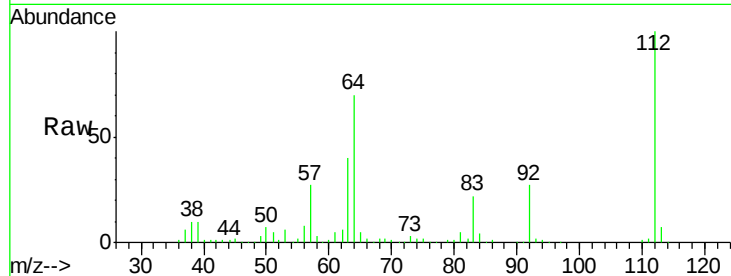




#5  
 2-Fluorophenol  
 Concen: 89.09 ng  
 RT: 5.43 min Scan# 336  
 Delta R.T. 0.01 min  
 Lab File: BF087416.D  
 Acq: 26 May 2016 19:33

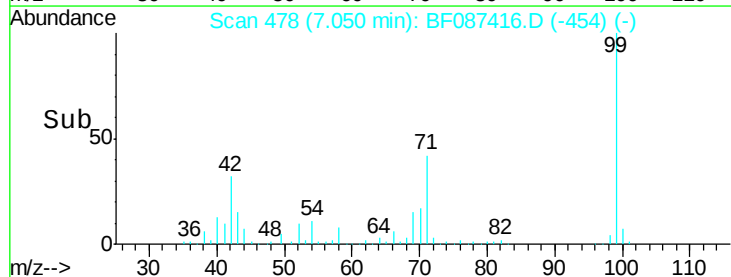
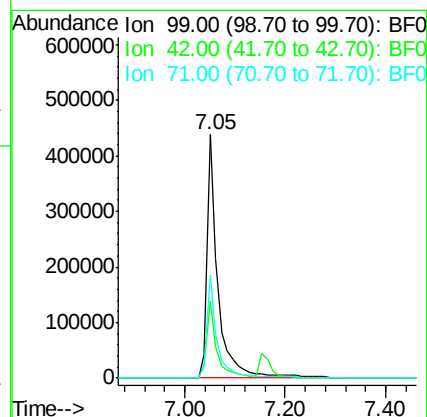
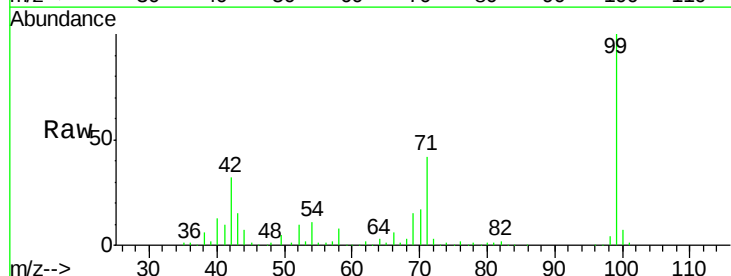
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB90911BL

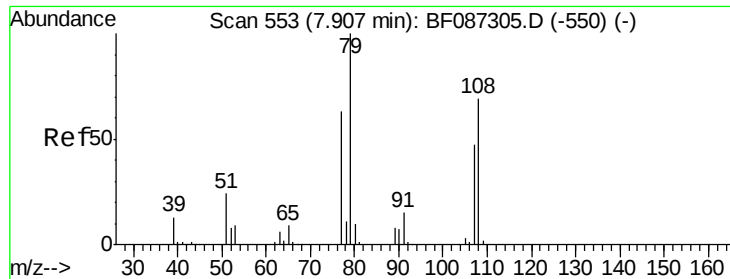
Tgt Ion: 112 Resp: 526188  
 Ion Ratio Lower Upper  
 112 100  
 64 70.0 52.1 78.1  
 63 39.6 25.7 38.5#



#7  
 Phenol-d6  
 Concen: 83.79 ng  
 RT: 7.05 min Scan# 478  
 Delta R.T. -0.02 min  
 Lab File: BF087416.D  
 Acq: 26 May 2016 19:33

Tgt Ion: 99 Resp: 668717  
 Ion Ratio Lower Upper  
 99 100  
 42 31.5 13.6 20.4#  
 71 42.0 24.6 36.8#





#15

Benzyl Alcohol

Concen: 2.09 ng

RT: 7.74 min Scan# 538

Delta R.T. -0.08 min

Lab File: BF087416.D

Acq: 26 May 2016 19:33

Instrument :

BNA\_F

ClientSampled :

PB90911BL

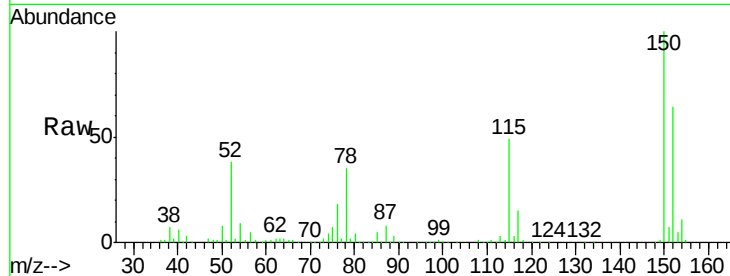
Tgt Ion: 79 Resp: 12136

Ion Ratio Lower Upper

79 100

108 30.1 68.4 102.6#

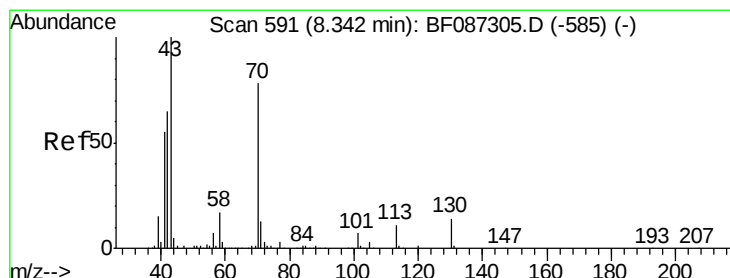
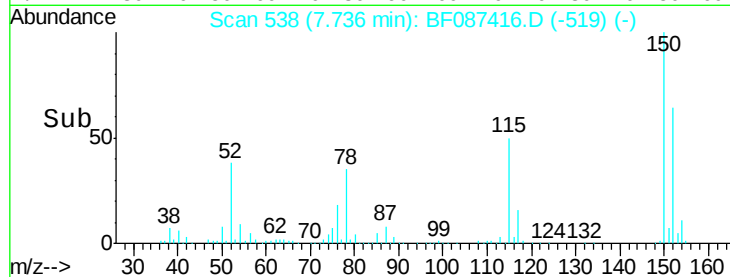
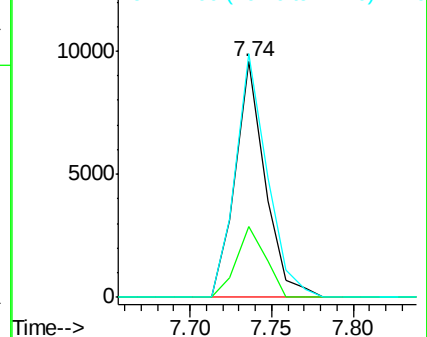
77 103.4 50.6 76.0#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 15.08 ng

RT: 8.42 min Scan# 598

Delta R.T. 0.17 min

Lab File: BF087416.D

Acq: 26 May 2016 19:33

Tgt Ion: 70 Resp: 89742

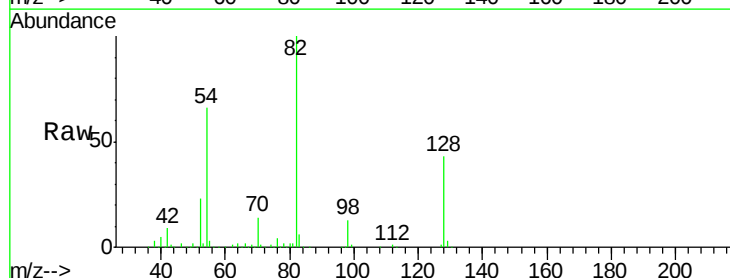
Ion Ratio Lower Upper

70 100

42 62.2 43.1 64.7

101 0.0 8.1 12.1#

130 1.8 18.6 28.0#

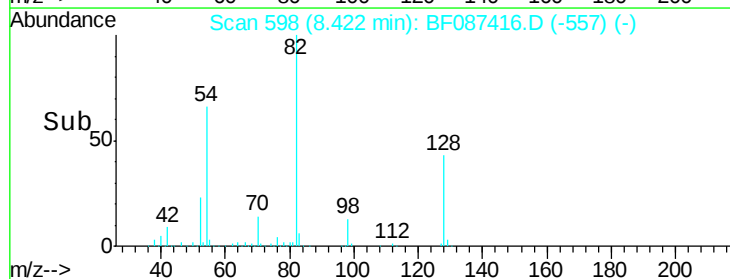
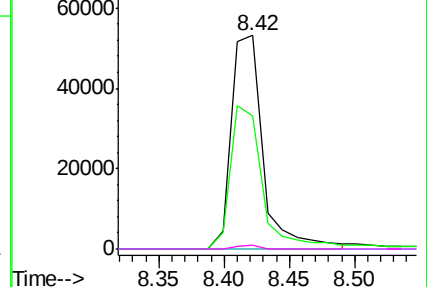


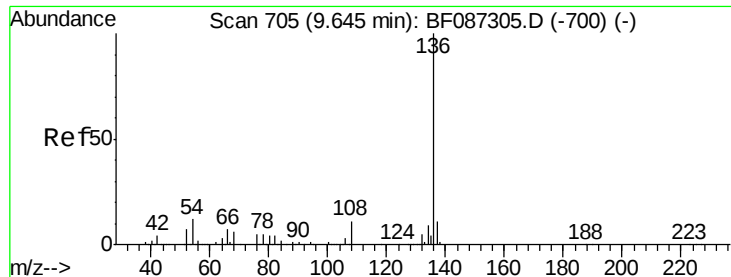
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.53 min Scan# 695

Delta R.T. -0.02 min

Lab File: BF087416.D

Acq: 26 May 2016 19:33

Instrument :

BNA\_F

ClientSampleId :

PB90911BL

Tgt Ion: 136 Resp: 427310

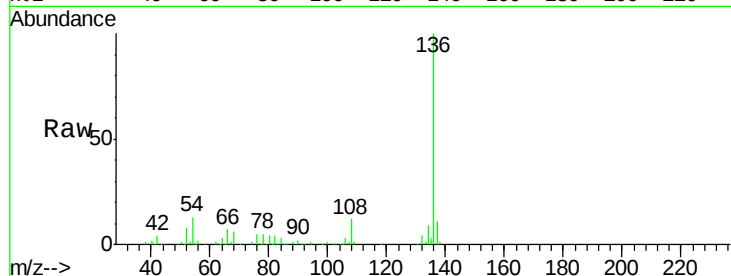
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 12.6 5.0 7.4#

68 5.8 4.4 6.6

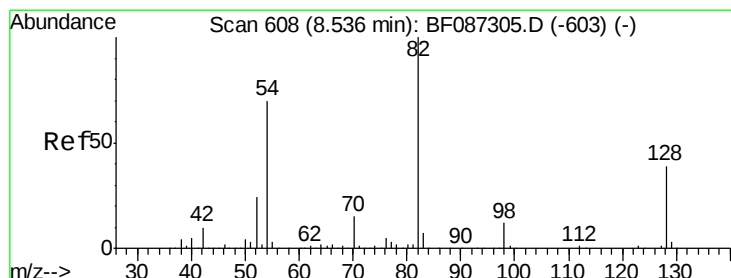
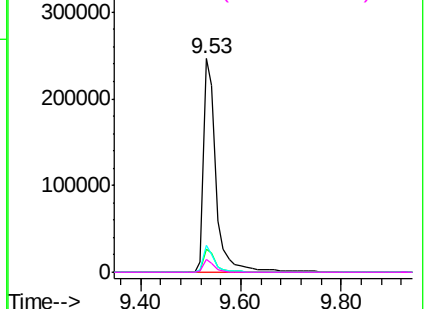
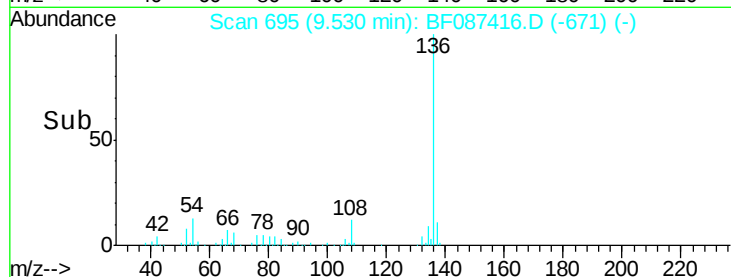


Abundance Ion 136.00 (135.70 to 136.70): E

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: 79.21 ng

RT: 8.42 min Scan# 598

Delta R.T. -0.02 min

Lab File: BF087416.D

Acq: 26 May 2016 19:33

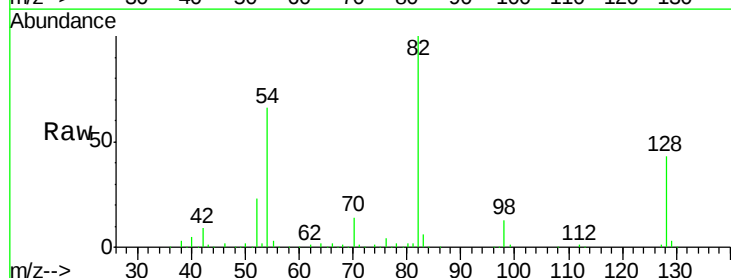
Tgt Ion: 82 Resp: 671609

Ion Ratio Lower Upper

82 100

128 43.4 40.6 61.0

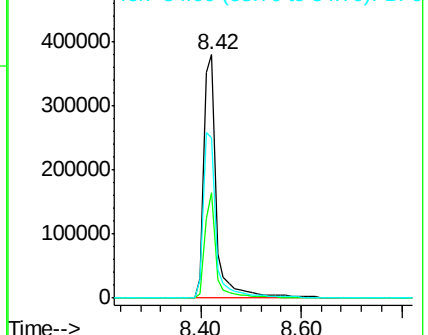
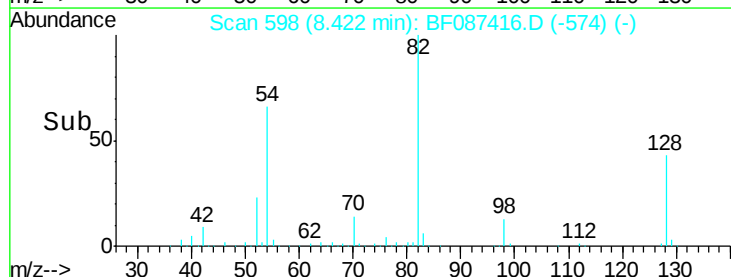
54 66.1 38.1 57.1#



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: 12.36 min Scan# 943

Delta R.T. -0.02 min

Lab File: BF087416.D

Acq: 26 May 2016 19:33

Instrument :

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ClientSampleId :

PB90911BL

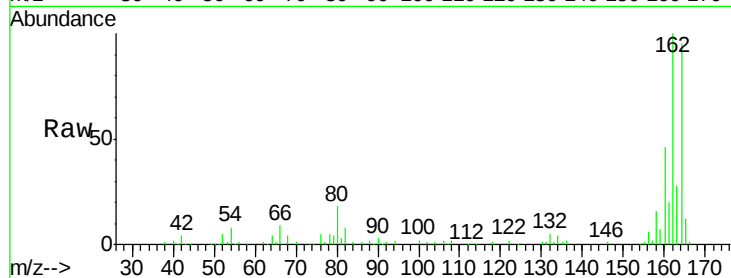
Tgt Ion:164 Resp: 198751

Ion Ratio Lower Upper

164 100

162 104.8 82.8 124.2

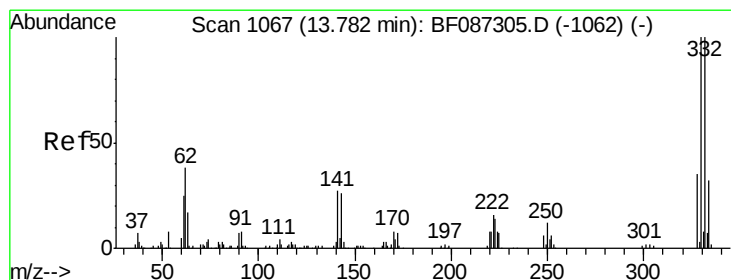
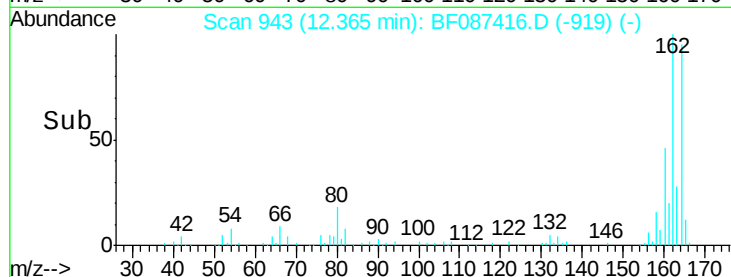
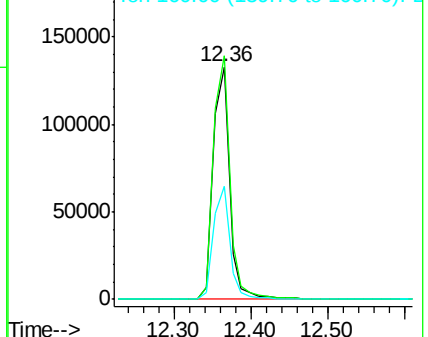
160 48.7 36.9 55.3



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: 78.53 ng

RT: 13.66 min Scan# 1056

Delta R.T. -0.02 min

Lab File: BF087416.D

Acq: 26 May 2016 19:33

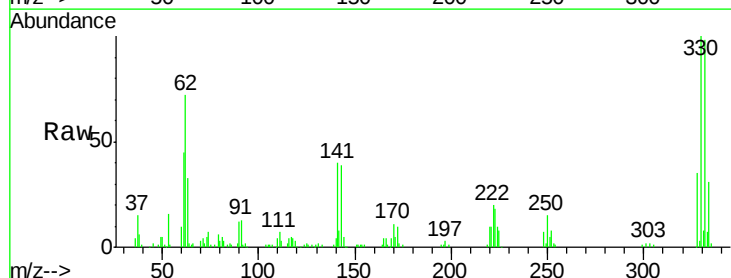
Tgt Ion:330 Resp: 149996

Ion Ratio Lower Upper

330 100

332 96.7 79.0 118.4

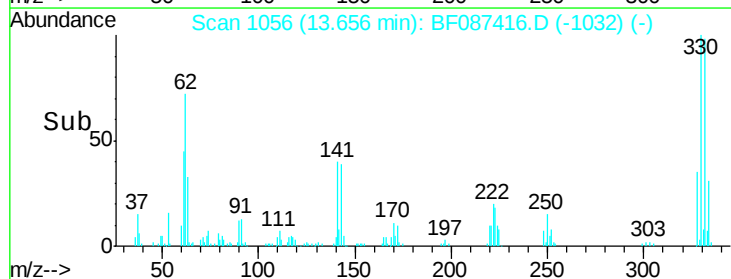
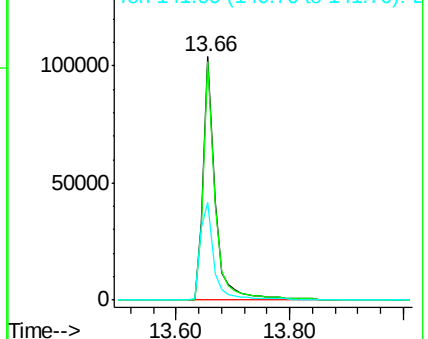
141 45.7 31.2 46.8

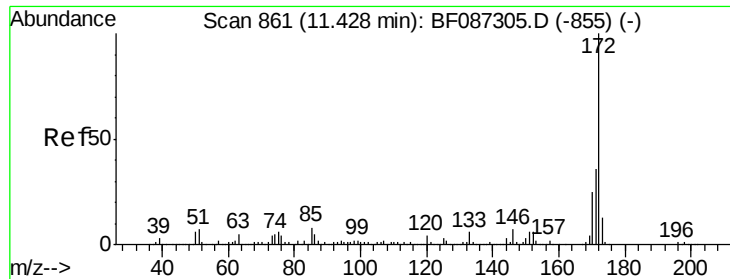


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 78.54 ng

RT: 11.31 min Scan# 851

Delta R.T. -0.02 min

Lab File: BF087416.D

Acq: 26 May 2016 19:33

Instrument :

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ClientSampleId :

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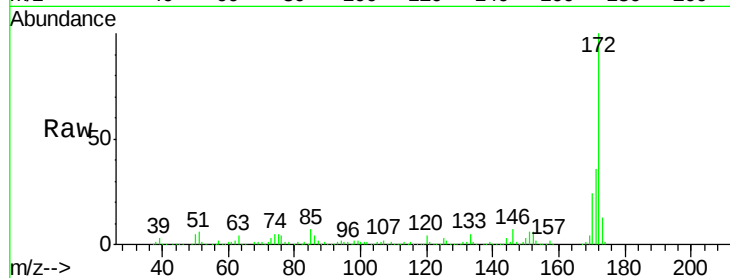
Tgt Ion:172 Resp: 1107288

Ion Ratio Lower Upper

172 100

171 36.1 29.0 43.6

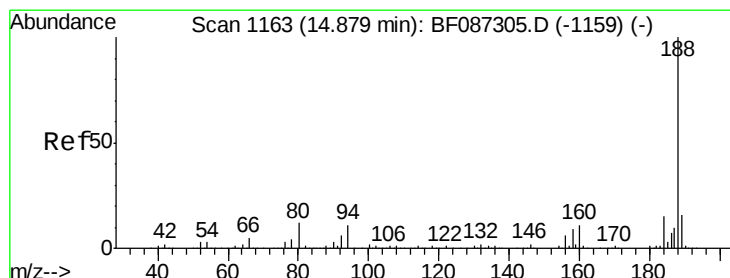
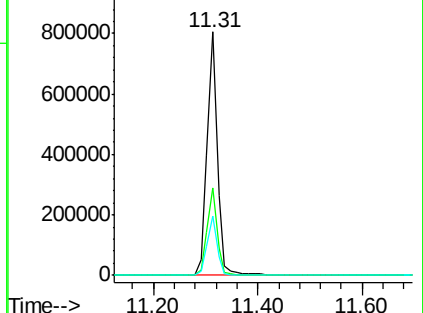
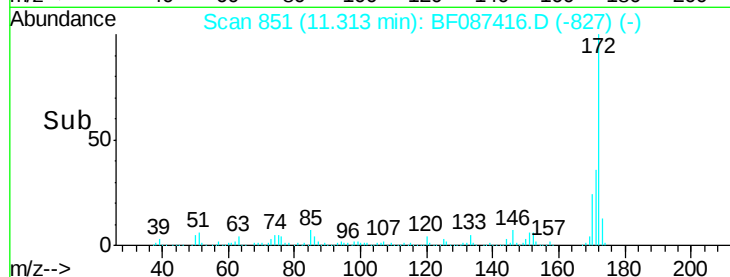
170 24.2 19.8 29.8



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.77 min Scan# 1153

Delta R.T. -0.01 min

Lab File: BF087416.D

Acq: 26 May 2016 19:33

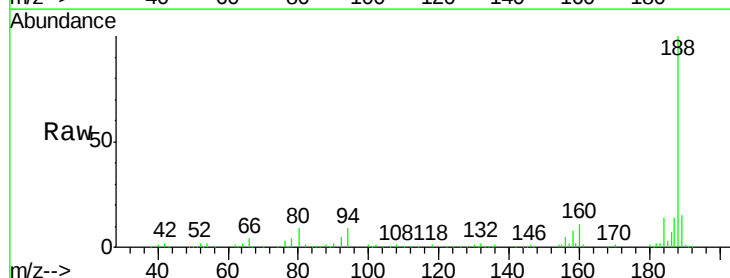
Tgt Ion:188 Resp: 399120

Ion Ratio Lower Upper

188 100

94 8.6 6.8 10.2

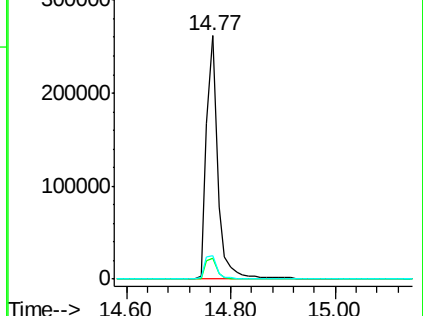
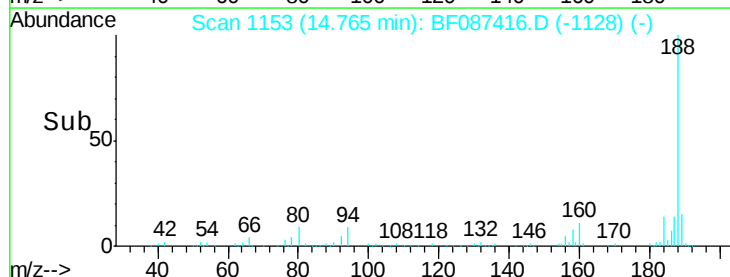
80 9.4 7.1 10.7



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.46 min Scan# 1476

Delta R.T. -0.02 min

Lab File: BF087416.D

Acq: 26 May 2016 19:33

Instrument :

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PB90911BL

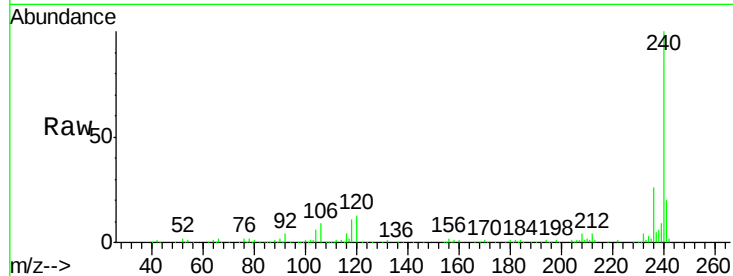
Tgt Ion:240 Resp: 334992

Ion Ratio Lower Upper

240 100

120 12.8 11.2 16.8

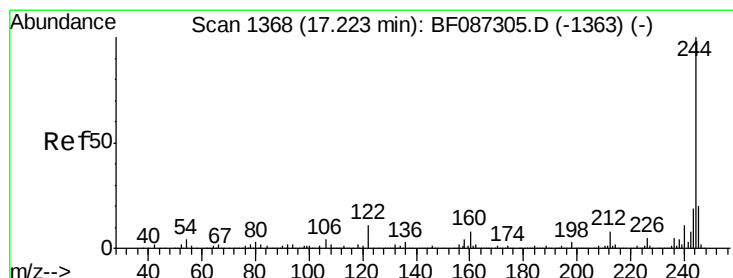
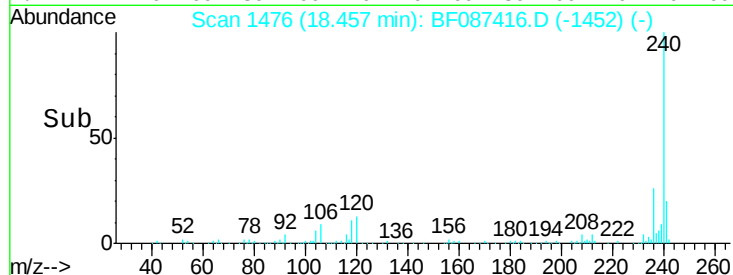
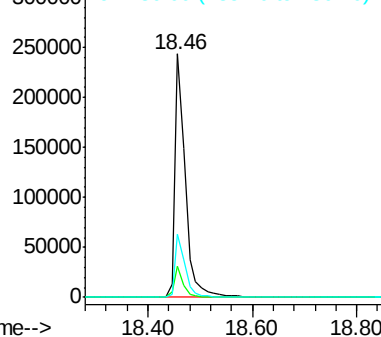
236 25.8 21.2 31.8



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: 70.63 ng

RT: 17.12 min Scan# 1359

Delta R.T. -0.01 min

Lab File: BF087416.D

Acq: 26 May 2016 19:33

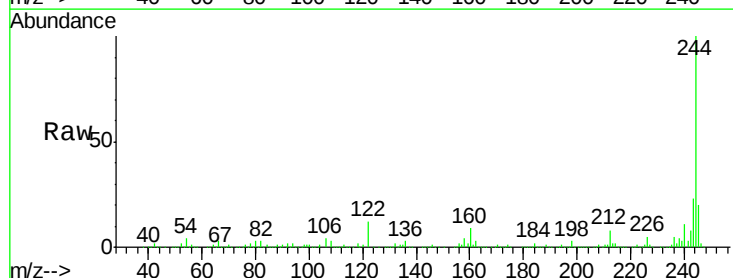
Tgt Ion:244 Resp: 1112969

Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.2

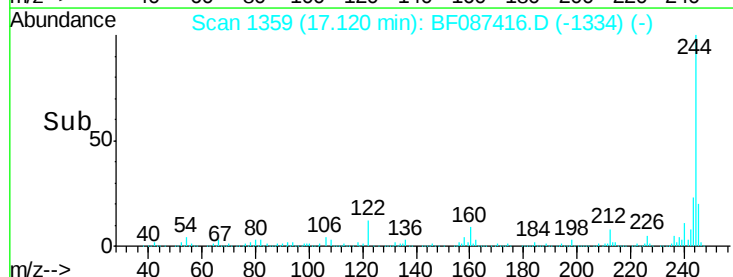
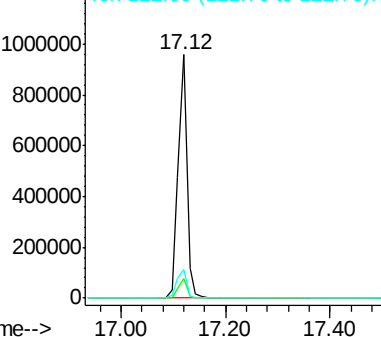
122 11.7 12.0 18.0#

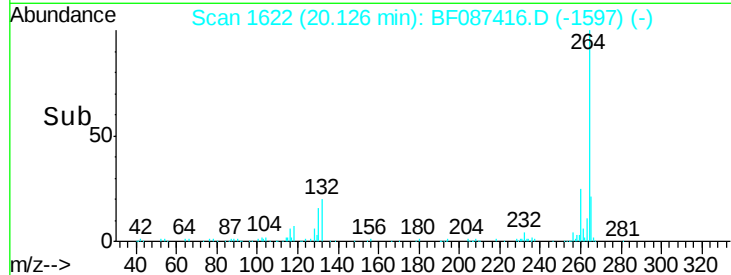
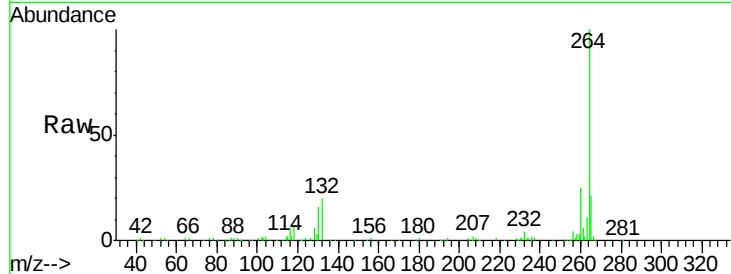
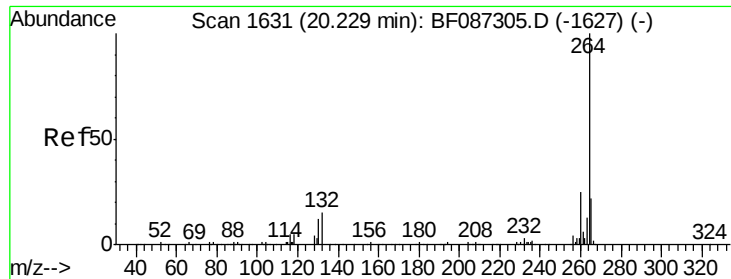


Abundance Ion 244.00 (243.70 to 244.70): E

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: 20.13 min Scan# 1622  
Delta R.T. -0.01 min  
Lab File: BF087416.D  
Acq: 26 May 2016 19:33

Instrument :  
BNA\_F  
ClientSampleId :  
PB90911BL

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 264   | Resp: | 252389 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 24.8  | 19.5  | 29.3   |
| 265      | 21.3  | 17.3  | 25.9   |

