

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF022817\  
 Data File : BF093246.D  
 Acq On : 28 Feb 2017 14:08  
 Operator : SJ/MA  
 Sample : I1998-07  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ROLL-OFF-20-41-COMP

Quant Time: Feb 28 14:39:49 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF013017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 17 17:31:55 2017  
 Response via : Initial Calibration

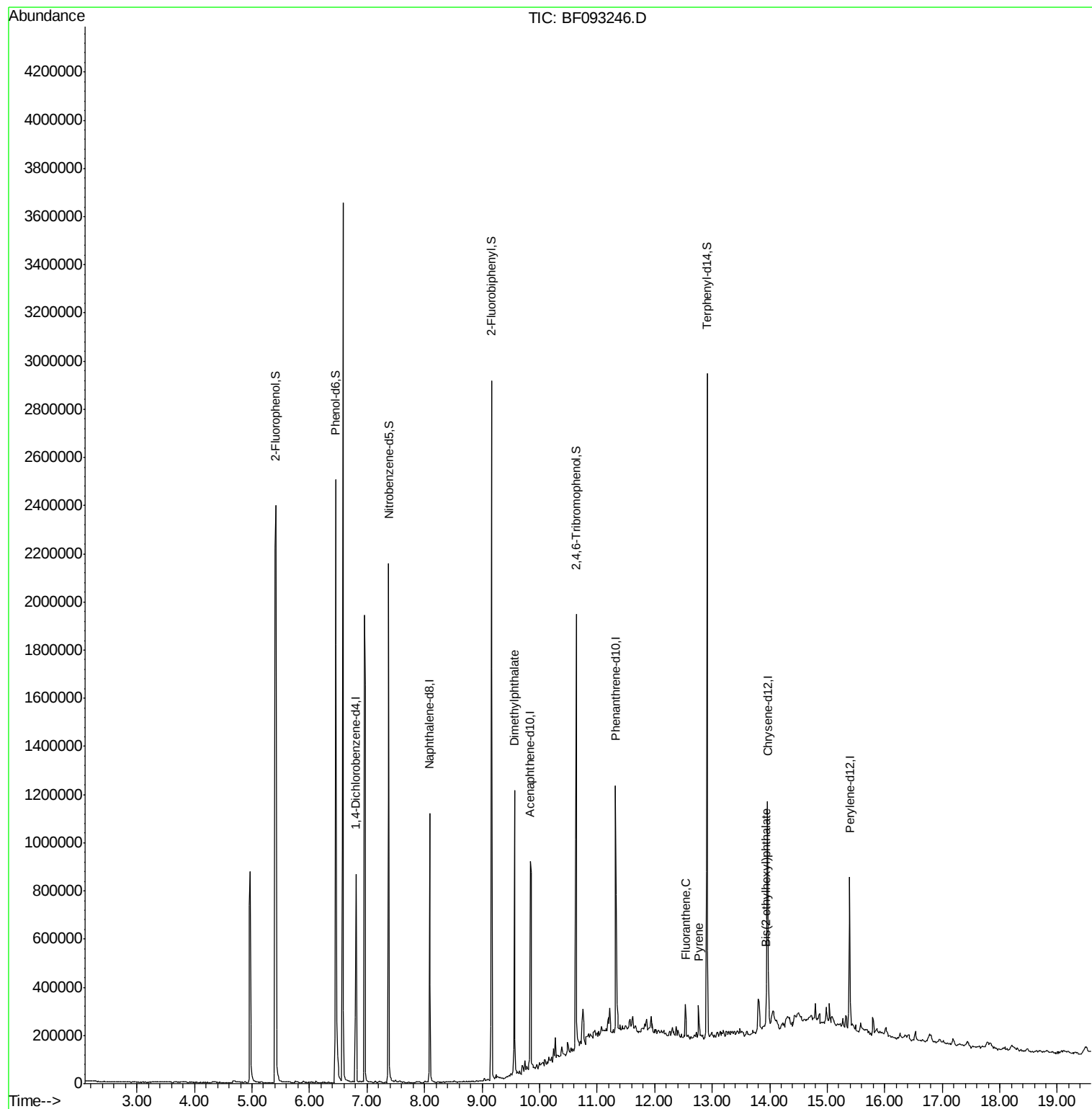
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.81  | 152  | 138582   | 20.00  | ng    | -0.05    |
| 21) Naphthalene-d8             | 8.09  | 136  | 529560   | 20.00  | ng    | -0.06    |
| 38) Acenaphthene-d10           | 9.84  | 164  | 247970   | 20.00  | ng    | -0.06    |
| 63) Phenanthrene-d10           | 11.32 | 188  | 448468   | 20.00  | ng    | -0.06    |
| 75) Chrysene-d12               | 13.96 | 240  | 302481   | 20.00  | ng    | -0.06    |
| 86) Perylene-d12               | 15.39 | 264  | 298312   | 20.00  | ng    | -0.06    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.41  | 112  | 991161   | 122.70 | ng    | -0.03    |
| 7) Phenol-d6                   | 6.45  | 99   | 1220069  | 117.39 | ng    | -0.03    |
| 23) Nitrobenzene-d5            | 7.38  | 82   | 821372   | 86.37  | ng    | -0.05    |
| 41) 2,4,6-Tribromophenol       | 10.64 | 330  | 222494   | 124.06 | ng    | -0.05    |
| 44) 2-Fluorobiphenyl           | 9.16  | 172  | 1151383  | 84.12  | ng    | -0.06    |
| 78) Terphenyl-d14              | 12.91 | 244  | 850772   | 66.09  | ng    | -0.06    |
| Target Compounds               |       |      |          |        |       | Qvalue   |
| 49) Dimethylphthalate          | 9.56  | 163  | 437414   | 26.19  | ng    | 99       |
| 74) Fluoranthene               | 12.53 | 202  | 65480    | 2.47   | ng    | 96       |
| 77) Pyrene                     | 12.76 | 202  | 65844    | 2.91   | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 13.94 | 149  | 43563    | 3.47   | ng    | 98       |

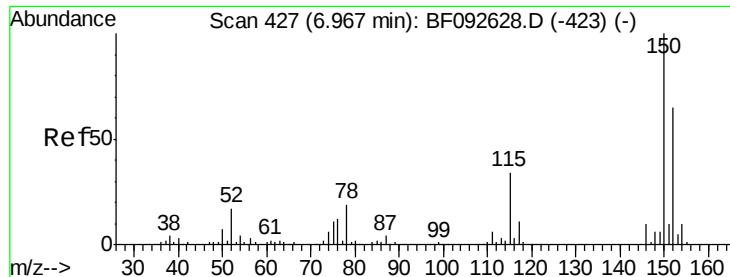
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 413

Delta R.T. -0.05 min

Lab File: BF093246.D

Acq: 28 Feb 2017 14:08

Instrument :

BNA\_F

ClientSampleId :

ROLL-OFF-20-41-COMP

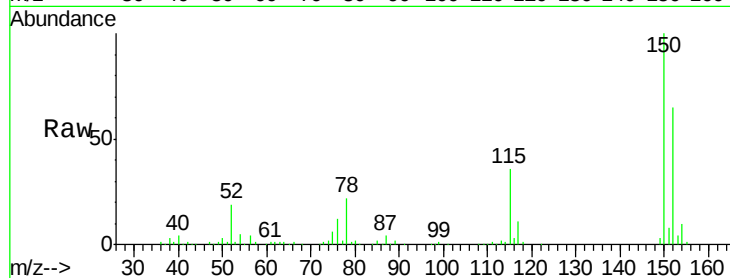
Tgt Ion:152 Resp: 138582

Ion Ratio Lower Upper

152 100

150 152.9 124.9 187.3

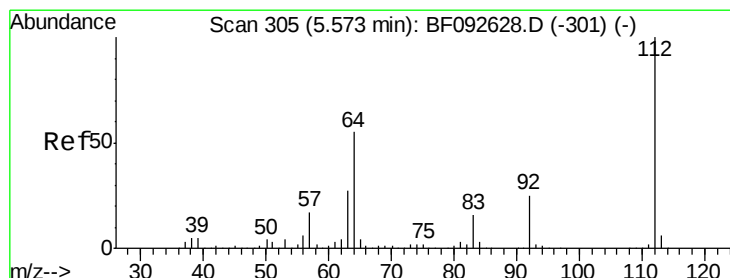
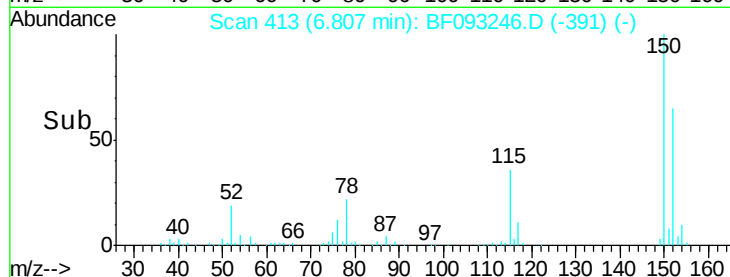
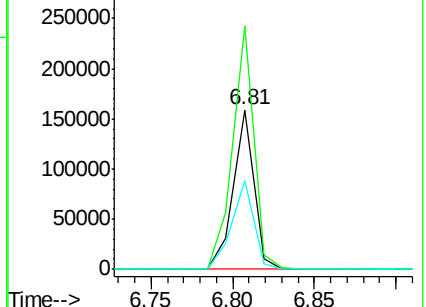
115 55.6 46.0 69.0



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: 122.70 ng

RT: 5.41 min Scan# 291

Delta R.T. -0.03 min

Lab File: BF093246.D

Acq: 28 Feb 2017 14:08

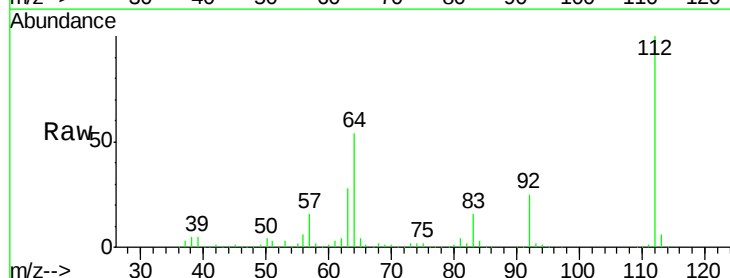
Tgt Ion:112 Resp: 991161

Ion Ratio Lower Upper

112 100

64 54.3 46.1 69.1

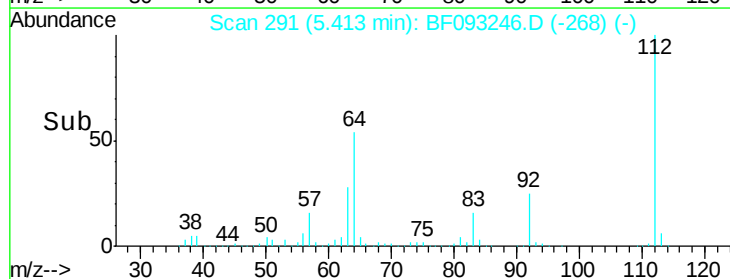
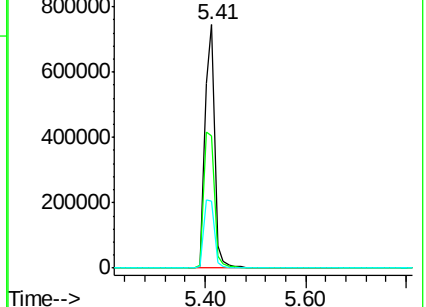
63 27.6 23.8 35.6



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: 117.39 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.03 min

Lab File: BF093246.D

Acq: 28 Feb 2017 14:08

Instrument :

BNA\_F

ClientSampleId :

ROLL-OFF-20-41-COMP

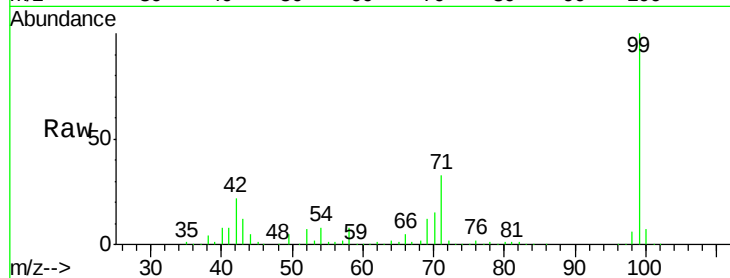
Tgt Ion: 99 Resp: 1220069

Ion Ratio Lower Upper

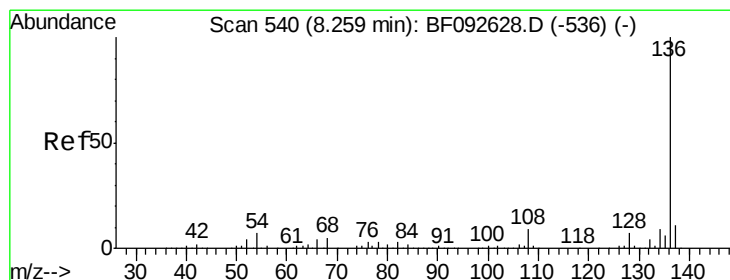
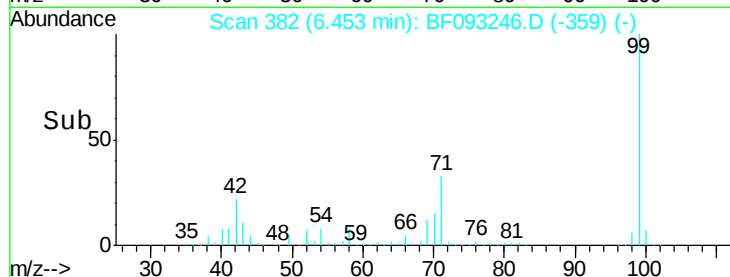
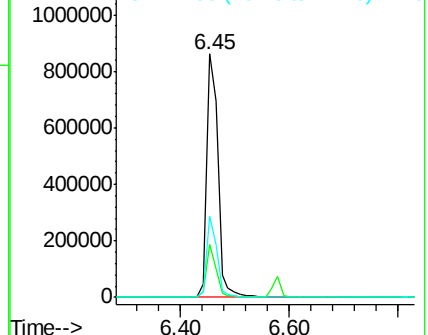
99 100

42 21.6 15.6 23.4

71 33.1 27.5 41.3



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: 8.09 min Scan# 525

Delta R.T. -0.06 min

Lab File: BF093246.D

Acq: 28 Feb 2017 14:08

Tgt Ion: 136 Resp: 529560

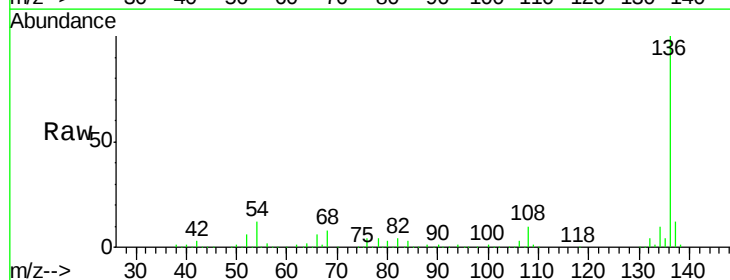
Ion Ratio Lower Upper

136 100

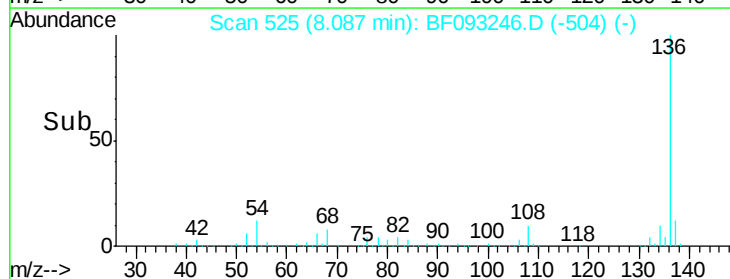
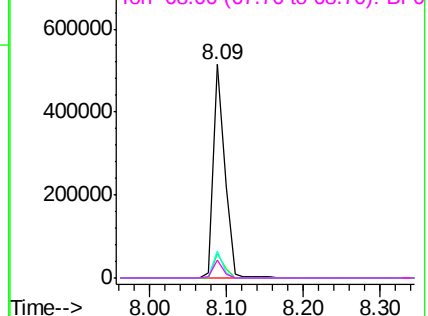
137 11.6 8.4 12.6

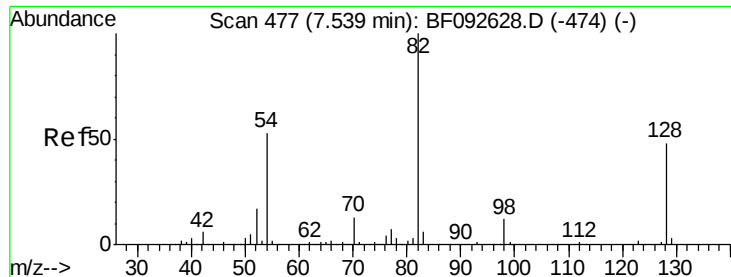
54 12.4 4.5 6.7#

68 8.4 3.6 5.4#



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

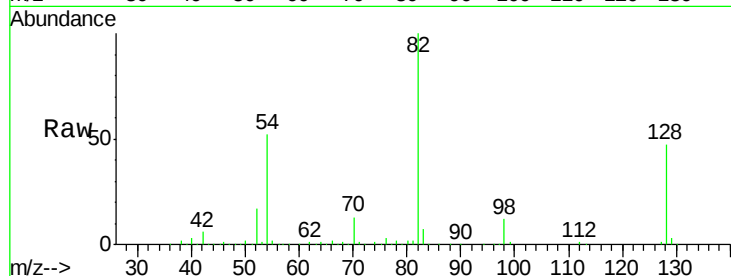




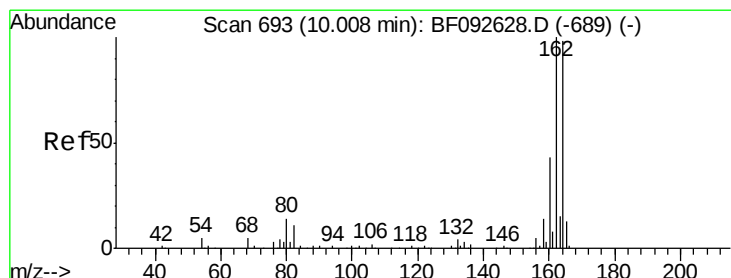
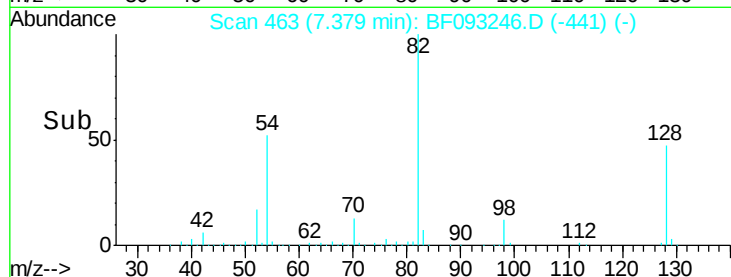
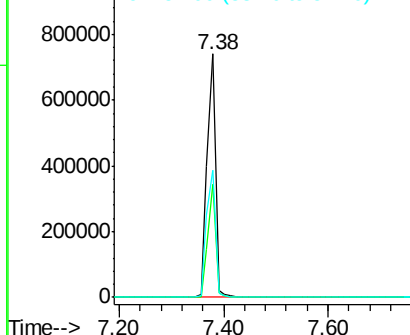
#23  
 Nitrobenzene-d5  
 Concen: 86.37 ng  
 RT: 7.38 min Scan# 463  
 Delta R.T. -0.05 min  
 Lab File: BF093246.D  
 Acq: 28 Feb 2017 14:08

Instrument :  
 BNA\_F  
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 ROLL-OFF-20-41-COMP

Tgt Ion: 82 Resp: 821372  
 Ion Ratio Lower Upper  
 82 100  
 128 46.5 34.6 52.0  
 54 52.4 39.5 59.3

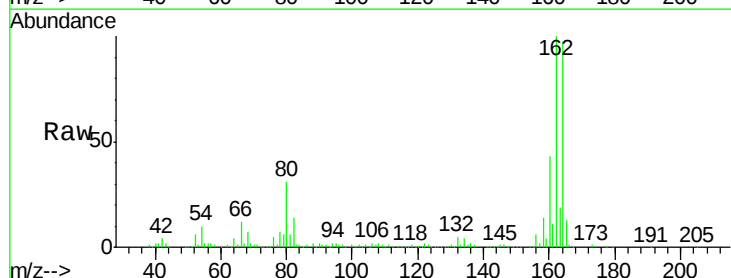


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): BF0  
 Ion 54.00 (53.70 to 54.70): BF0

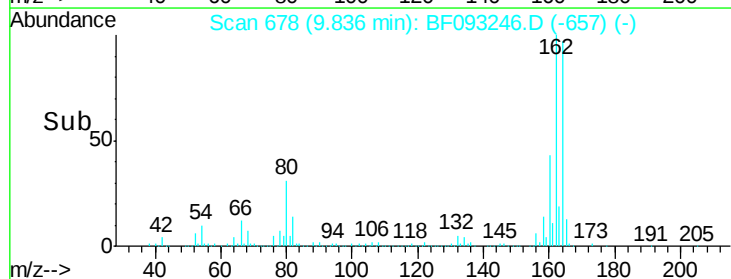
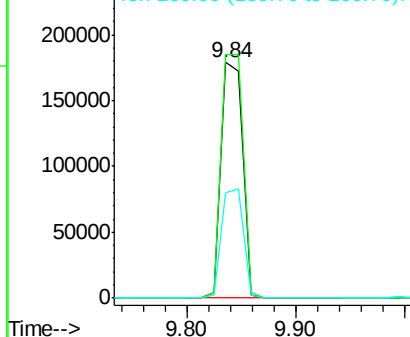


#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.84 min Scan# 678  
 Delta R.T. -0.06 min  
 Lab File: BF093246.D  
 Acq: 28 Feb 2017 14:08

Tgt Ion: 164 Resp: 247970  
 Ion Ratio Lower Upper  
 164 100  
 162 103.1 80.2 120.2  
 160 44.5 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

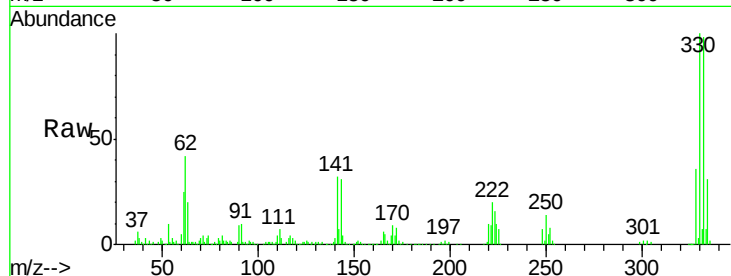




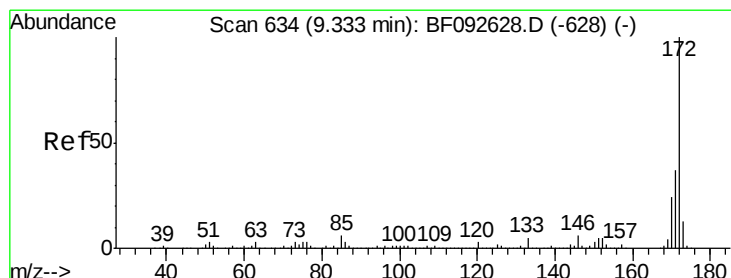
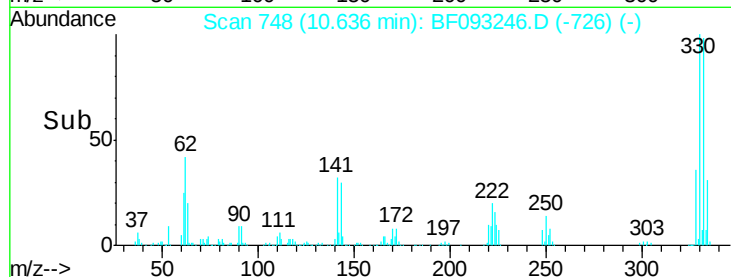
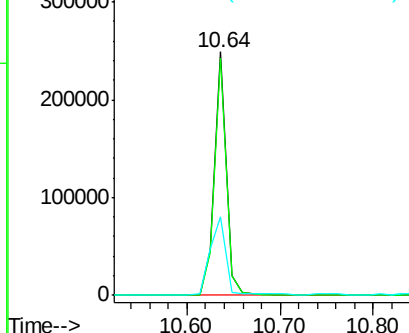
#41  
 2,4,6-Tribromophenol  
 Concen: 124.06 ng  
 RT: 10.64 min Scan# 748  
 Delta R.T. -0.05 min  
 Lab File: BF093246.D  
 Acq: 28 Feb 2017 14:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ROLL-OFF-20-41-COMP

Tgt Ion:330 Resp: 222494  
 Ion Ratio Lower Upper  
 330 100  
 332 96.9 77.4 116.2  
 141 41.1 34.1 51.1

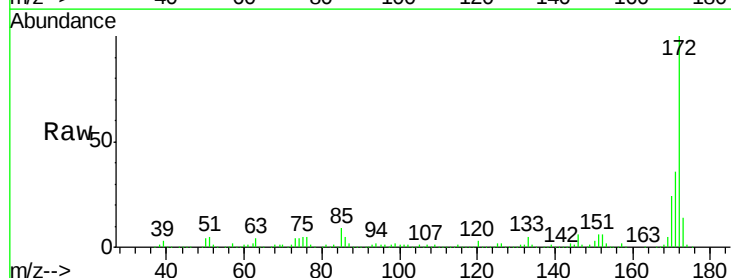


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

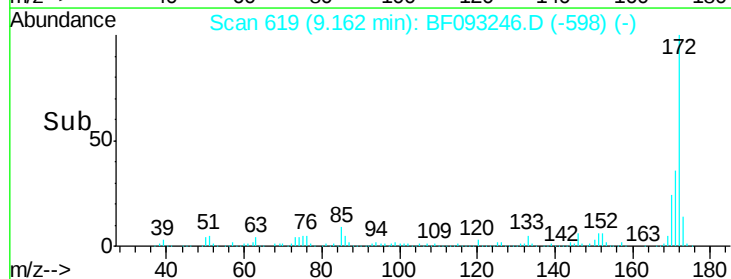
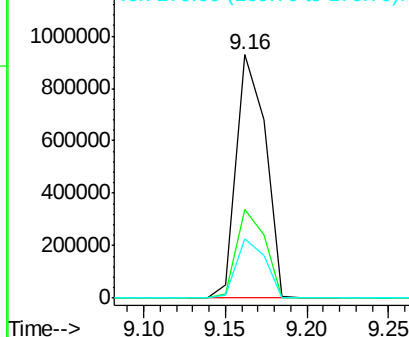


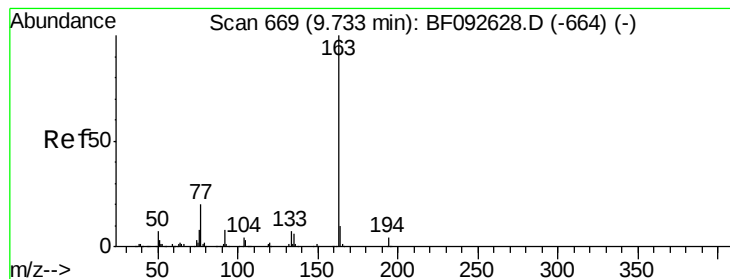
#44  
 2-Fluorobiphenyl  
 Concen: 84.12 ng  
 RT: 9.16 min Scan# 619  
 Delta R.T. -0.06 min  
 Lab File: BF093246.D  
 Acq: 28 Feb 2017 14:08

Tgt Ion:172 Resp: 1151383  
 Ion Ratio Lower Upper  
 172 100  
 171 36.3 29.4 44.0  
 170 24.2 20.2 30.4



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: 26.19 ng

RT: 9.56 min Scan# 654

Delta R.T. -0.06 min

Lab File: BF093246.D

Acq: 28 Feb 2017 14:08

Instrument :

BNA\_F

ClientSampleId :

ROLL-OFF-20-41-COMP

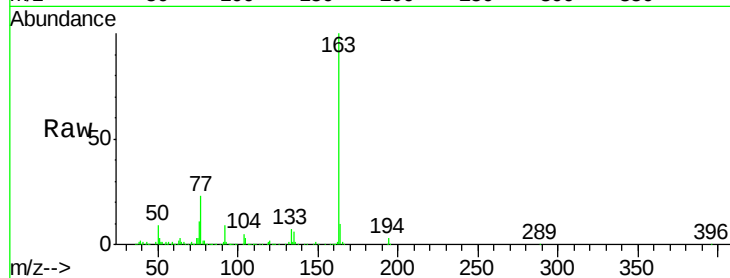
Tgt Ion:163 Resp: 437414

Ion Ratio Lower Upper

163 100

194 3.2 3.0 4.4

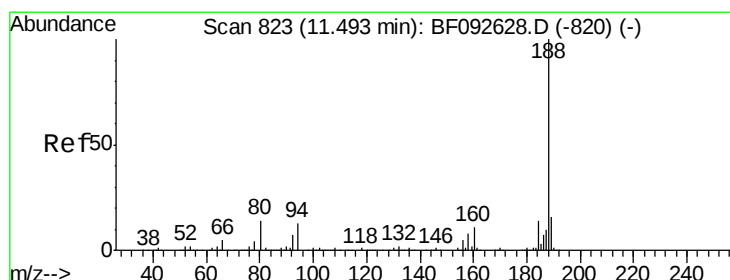
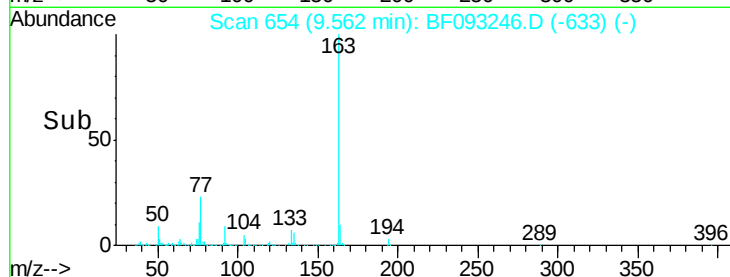
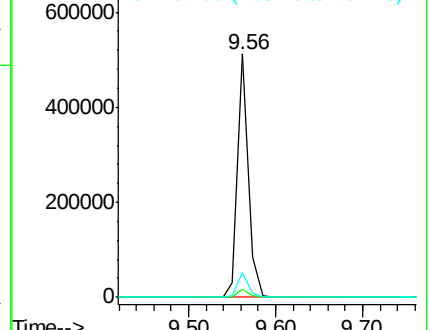
164 10.2 8.0 12.0



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: 11.32 min Scan# 808

Delta R.T. -0.06 min

Lab File: BF093246.D

Acq: 28 Feb 2017 14:08

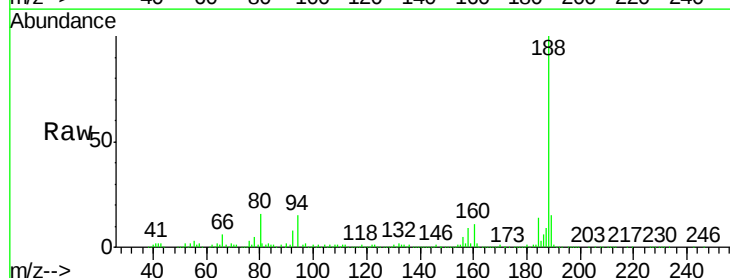
Tgt Ion:188 Resp: 448468

Ion Ratio Lower Upper

188 100

94 14.7 10.0 15.0

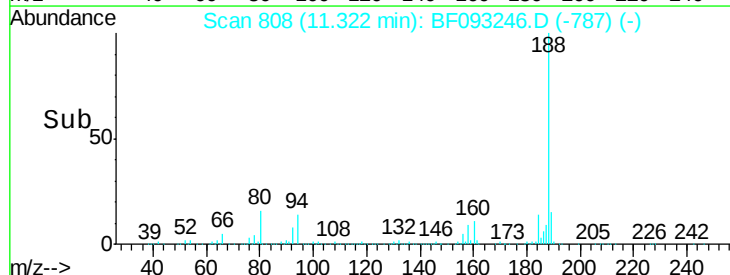
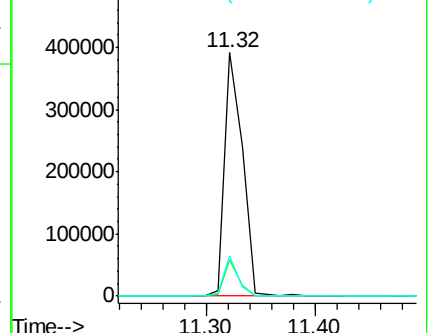
80 16.5 11.2 16.8

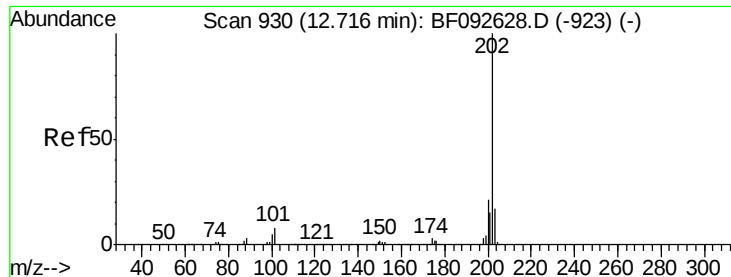


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#74

Fluoranthene

Concen: 2.47 ng

RT: 12.53 min Scan# 914

Delta R.T. -0.06 min

Lab File: BF093246.D

Acq: 28 Feb 2017 14:08

Instrument :

BNA\_F

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ROLL-OFF-20-41-COMP

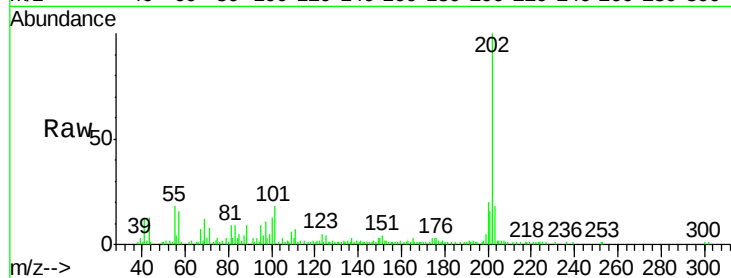
Tgt Ion:202 Resp: 65480

Ion Ratio Lower Upper

202 100

101 17.5 0.0 34.6

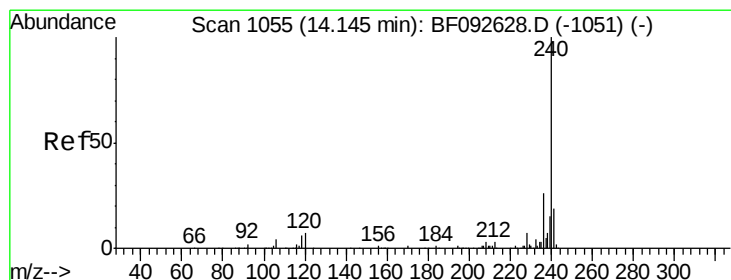
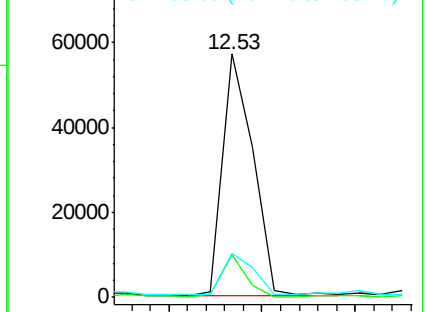
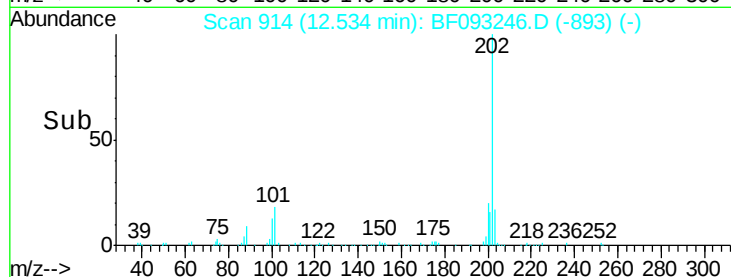
203 18.2 0.0 38.7



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: 13.96 min Scan# 1039

Delta R.T. -0.06 min

Lab File: BF093246.D

Acq: 28 Feb 2017 14:08

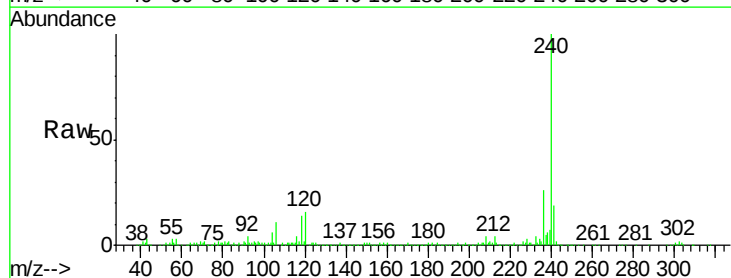
Tgt Ion:240 Resp: 302481

Ion Ratio Lower Upper

240 100

120 16.4 12.9 19.3

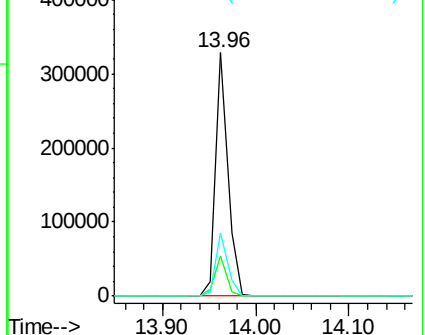
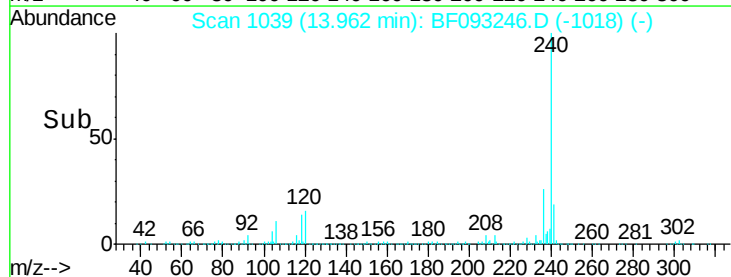
236 26.2 20.9 31.3

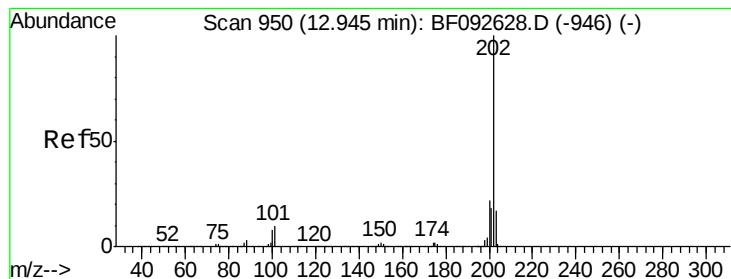


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 2.91 ng

RT: 12.76 min Scan# 934

Delta R.T. -0.06 min

Lab File: BF093246.D

Acq: 28 Feb 2017 14:08

Instrument :

BNA\_F

ClientSampleId :

ROLL-OFF-20-41-COMP

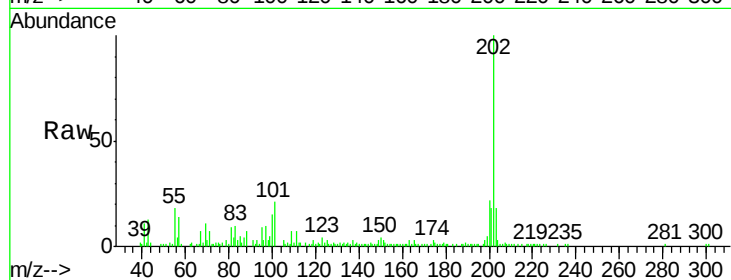
Tgt Ion:202 Resp: 65844

Ion Ratio Lower Upper

202 100

200 22.2 17.7 26.5

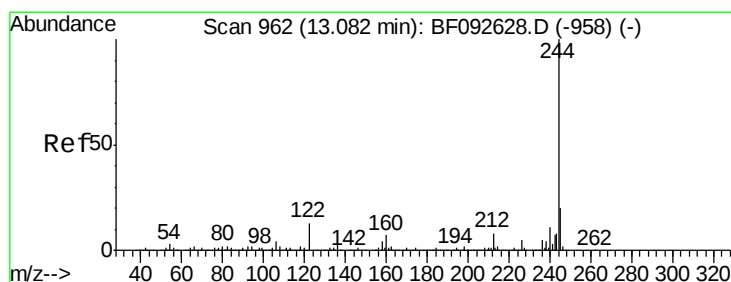
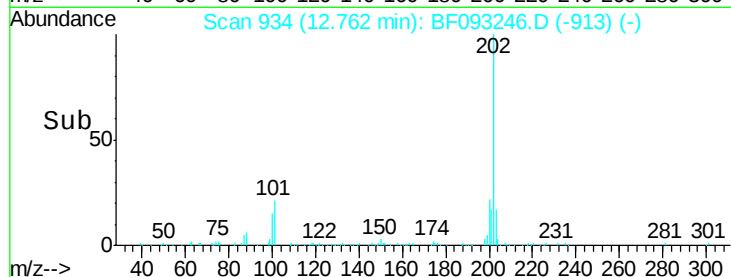
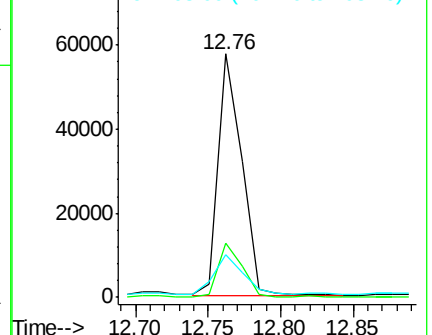
203 17.8 14.7 22.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 66.09 ng

RT: 12.91 min Scan# 947

Delta R.T. -0.06 min

Lab File: BF093246.D

Acq: 28 Feb 2017 14:08

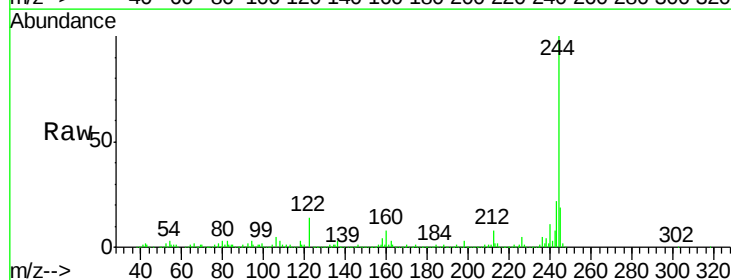
Tgt Ion:244 Resp: 850772

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

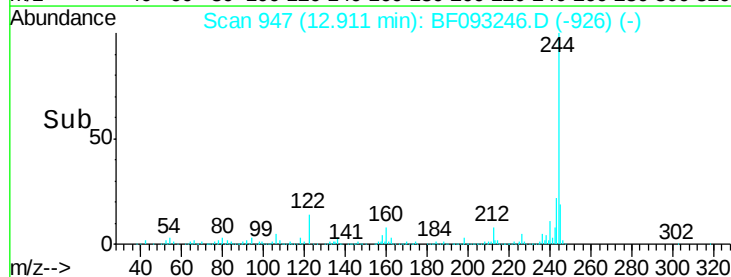
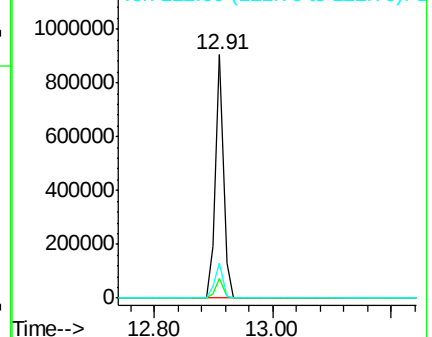
122 14.2 11.4 17.2

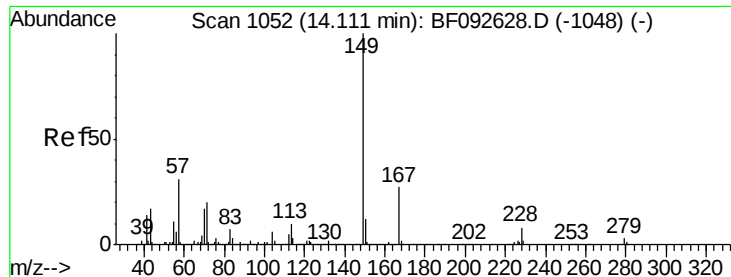


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

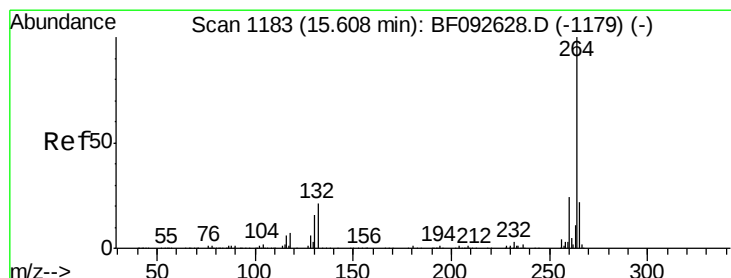
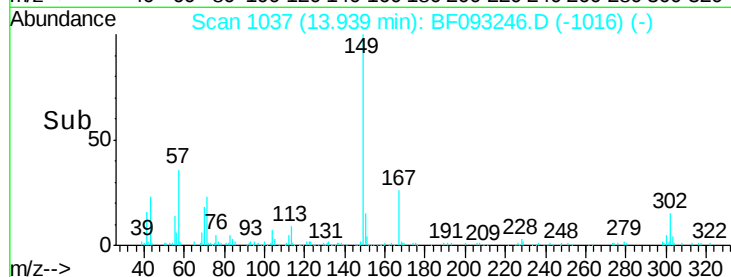
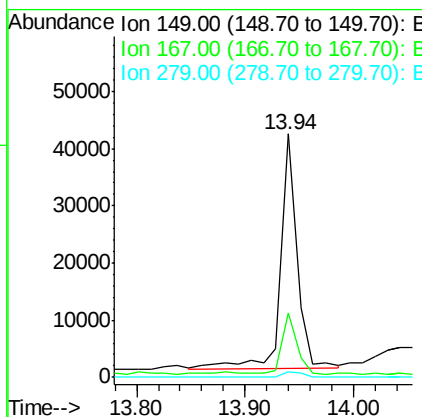
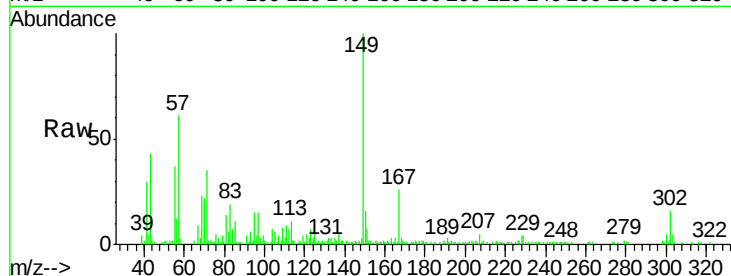




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 3.47 ng  
 RT: 13.94 min Scan# 1037  
 Delta R.T. -0.06 min  
 Lab File: BF093246.D  
 Acq: 28 Feb 2017 14:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ROLL-OFF-20-41-COMP

Tgt Ion:149 Resp: 43563  
 Ion Ratio Lower Upper  
 149 100  
 167 26.5 20.2 30.4  
 279 2.1 1.8 2.8



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.39 min Scan# 1164  
 Delta R.T. -0.06 min  
 Lab File: BF093246.D  
 Acq: 28 Feb 2017 14:08

Tgt Ion:264 Resp: 298312  
 Ion Ratio Lower Upper  
 264 100  
 260 23.6 19.2 28.8  
 265 21.1 17.4 26.0

