

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE072018\  
 Data File : BE097018.D  
 Acq On : 20 Jul 2018 7:12  
 Operator : SJ/JU  
 Sample : J4014-14  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 RE103D3-071218

Quant Time: Jul 20 08:07:05 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE071618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 17 15:02:56 2018  
 Response via : Initial Calibration

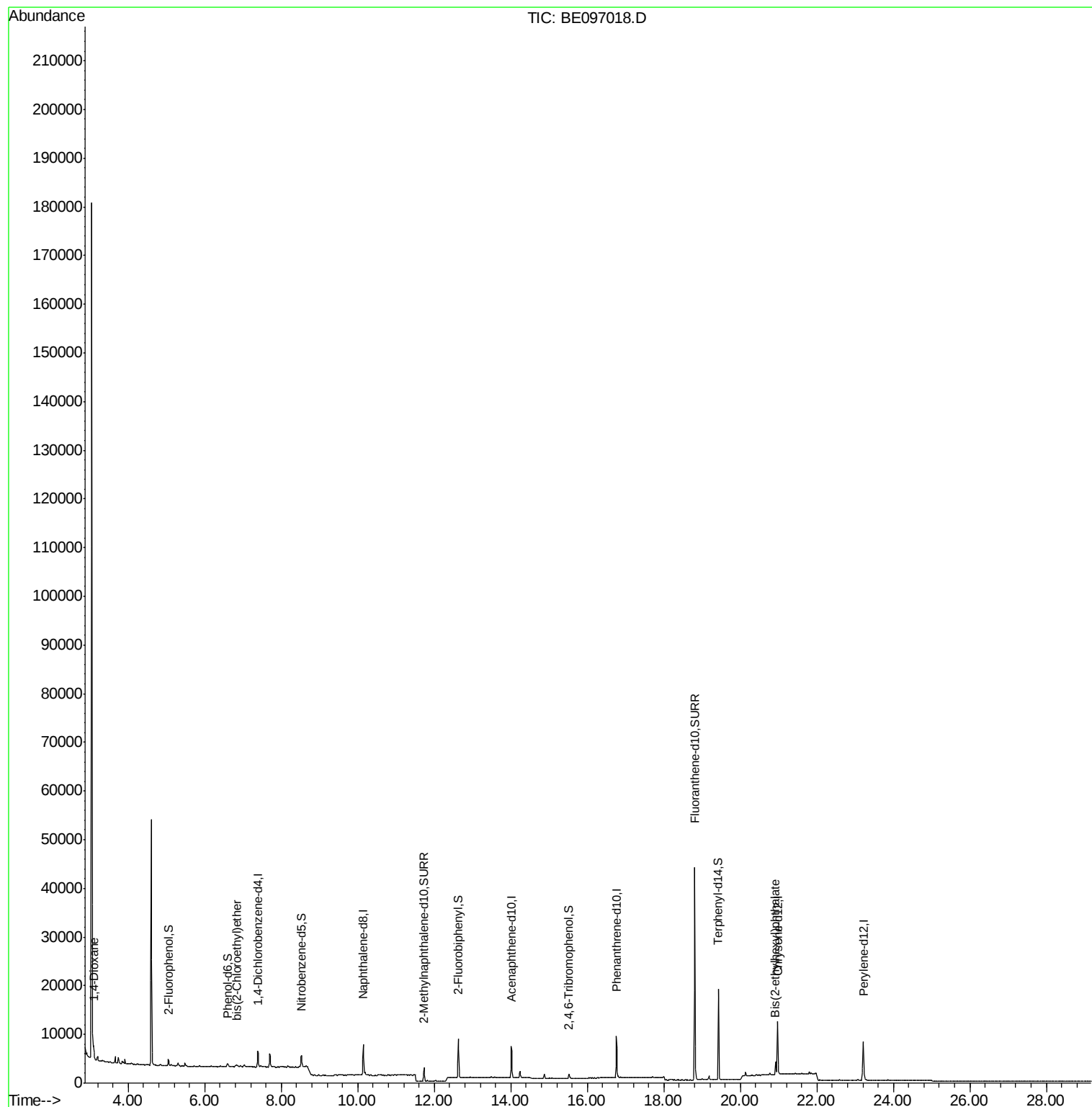
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min)    |
|--------------------------------|-------|------|----------|-------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4      | 7.39  | 152  | 1493     | 0.40  | ng    | -0.01       |
| 7) Naphthalene-d8              | 10.15 | 136  | 6799     | 0.40  | ng    | 0.00        |
| 13) Acenaphthene-d10           | 14.01 | 164  | 3904     | 0.40  | ng    | -0.01       |
| 19) Phenanthrene-d10           | 16.76 | 188  | 11507    | 0.40  | ng    | -0.01       |
| 27) Chrysene-d12               | 20.98 | 240  | 12646    | 0.40  | ng    | 0.00        |
| 34) Perylene-d12               | 23.21 | 264  | 11450    | 0.40  | ng    | 0.00        |
| System Monitoring Compounds    |       |      |          |       |       |             |
| 4) 2-Fluorophenol              | 5.05  | 112  | 676      | 0.19  | ng    | 0.00        |
| 5) Phenol-d6                   | 6.59  | 99   | 571      | 0.10  | ng    | 0.00        |
| 8) Nitrobenzene-d5             | 8.53  | 82   | 2232     | 0.45  | ng    | 0.00        |
| 11) 2-Methylnaphthalene-d10    | 11.73 | 152  | 3854     | 0.39  | ng    | 0.00        |
| 14) 2,4,6-Tribromophenol       | 15.52 | 330  | 521      | 0.57  | ng    | 0.00        |
| 15) 2-Fluorobiphenyl           | 12.63 | 172  | 7090     | 0.49  | ng    | -0.01       |
| 25) Fluoranthene-d10           | 18.81 | 212  | 57146    | 0.57  | ng    | 0.00        |
| 29) Terphenyl-d14              | 19.43 | 244  | 15666    | 0.64  | ng    | 0.00        |
| Target Compounds               |       |      |          |       |       |             |
| 2) 1,4-Dioxane                 | 3.09  | 88   | 986      | 0.461 | ng    | Qvalue # 81 |
| 6) bis(2-Chloroethyl)ether     | 6.84  | 93   | 137      | 0.026 | ng    | # 85        |
| 32) Bis(2-ethylhexyl)phthalate | 20.92 | 149  | 4208     | 0.140 | ng    | # 98        |

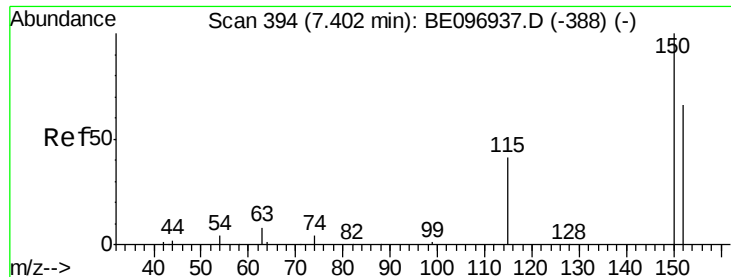
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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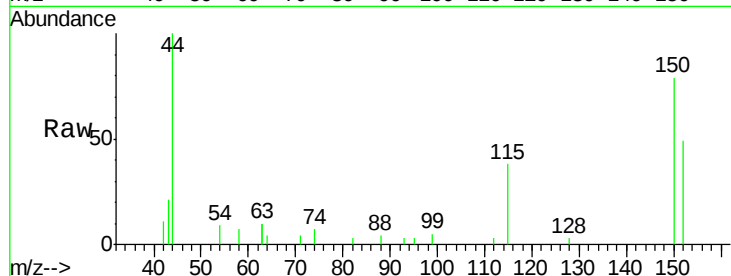


#1

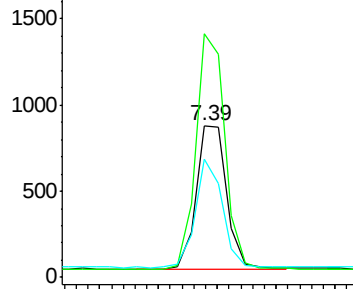
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.39 min Scan# 393  
Delta R.T. -0.01 min  
Lab File: BE097018.D  
Acq: 20 Jul 2018 7:12

Instrument :  
BNA\_E  
ClientSampleId :  
RE103D3-071218

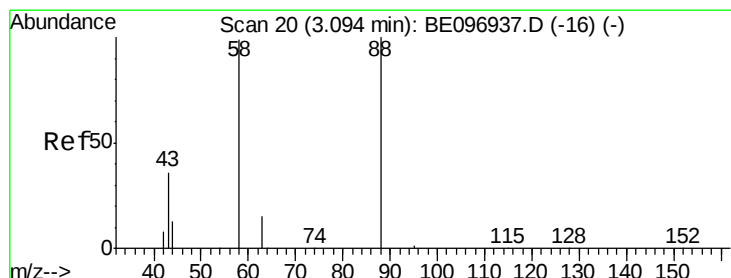
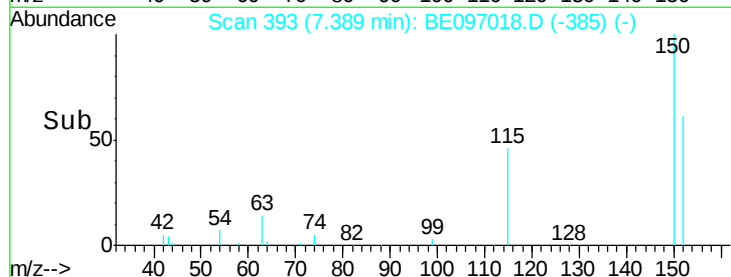
Tgt Ion:152 Resp: 1493  
Ion Ratio Lower Upper  
152 100  
150 160.4 117.2 175.8  
115 77.5 57.0 85.6



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



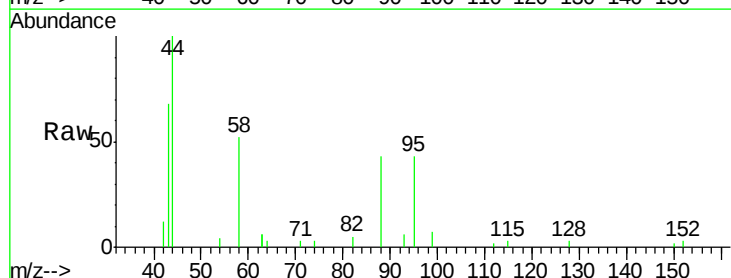
Time-->



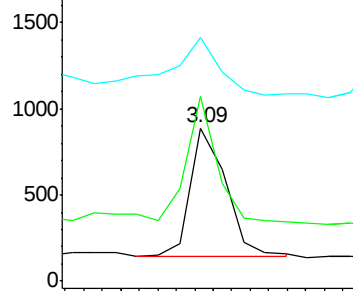
#2

1,4-Dioxane  
Concen: 0.461 ng  
RT: 3.09 min Scan# 20  
Delta R.T. -0.00 min  
Lab File: BE097018.D  
Acq: 20 Jul 2018 7:12

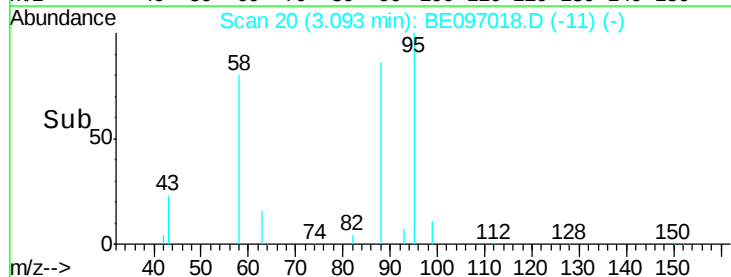
Tgt Ion: 88 Resp: 986  
Ion Ratio Lower Upper  
88 100  
58 93.5 63.2 94.8  
43 68.0 41.2 61.8#

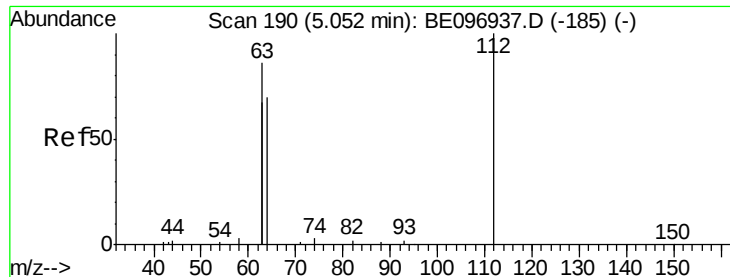


Abundance Ion 88.00 (87.70 to 88.70): BE0  
Ion 58.00 (57.70 to 58.70): BE0  
Ion 43.00 (42.70 to 43.70): BE0



Time-->





#4

2-Fluorophenol

Concen: 0.189 ng

RT: 5.05 min Scan# 190

Delta R.T. -0.00 min

Lab File: BE097018.D

Acq: 20 Jul 2018 7:12

Instrument :

BNA\_E

ClientSampleId :

RE103D3-071218

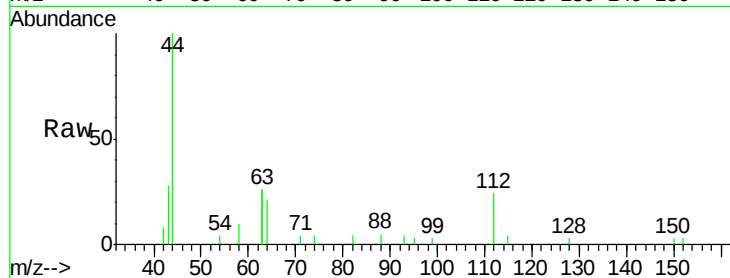
Tgt Ion: 112 Resp: 676

Ion Ratio Lower Upper

112 100

64 70.6 60.1 90.1

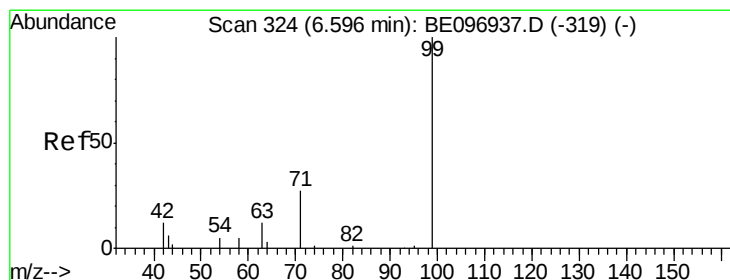
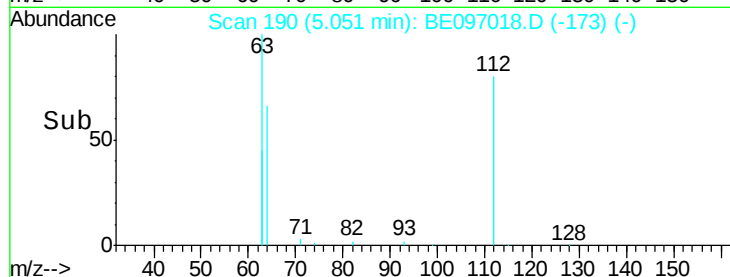
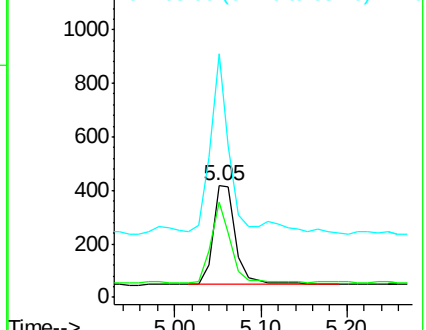
63 146.0 116.8 175.2



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.105 ng

RT: 6.59 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097018.D

Acq: 20 Jul 2018 7:12

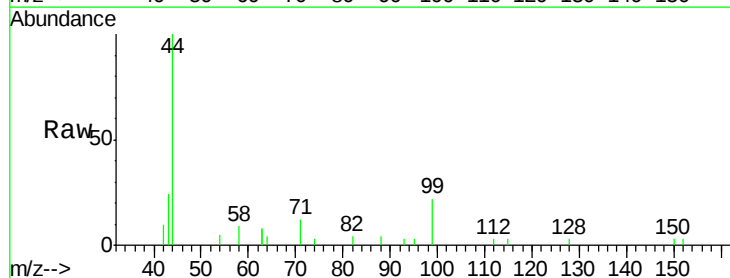
Tgt Ion: 99 Resp: 571

Ion Ratio Lower Upper

99 100

42 28.9 20.2 30.2

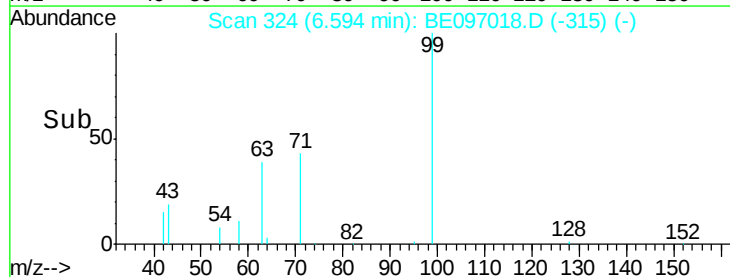
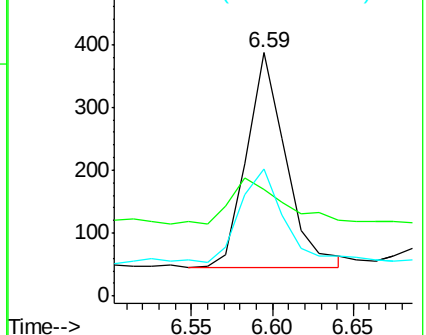
71 45.9 28.4 42.6#

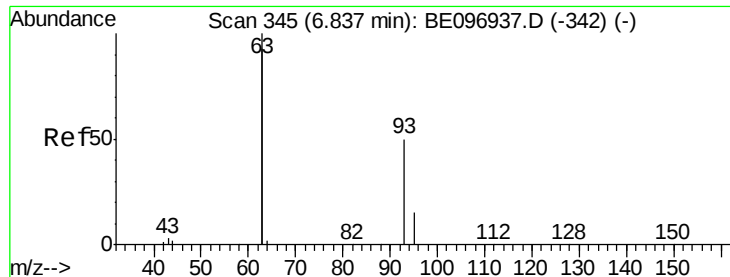


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.026 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE097018.D

Acq: 20 Jul 2018 7:12

Instrument :

BNA\_E

ClientSampleId :

RE103D3-071218

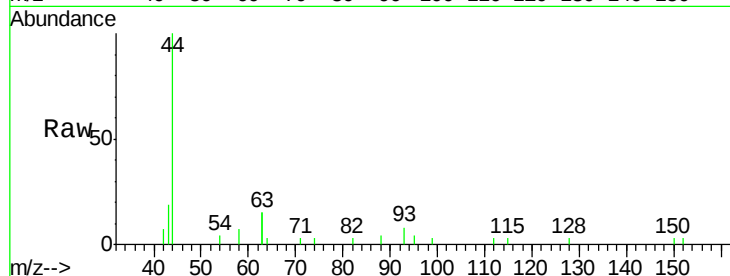
Tgt Ion: 93 Resp: 137

Ion Ratio Lower Upper

93 100

63 310.9 275.3 412.9

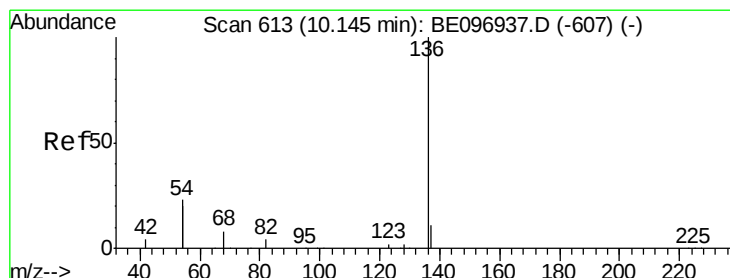
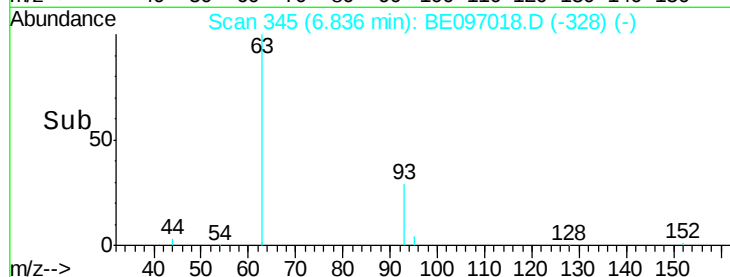
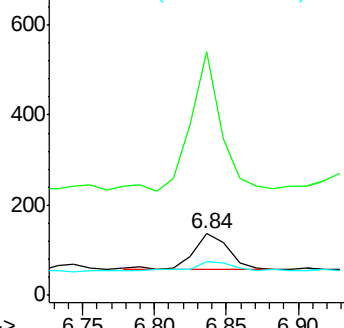
95 40.1 25.2 37.8#



Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. -0.00 min

Lab File: BE097018.D

Acq: 20 Jul 2018 7:12

Tgt Ion: 136 Resp: 6799

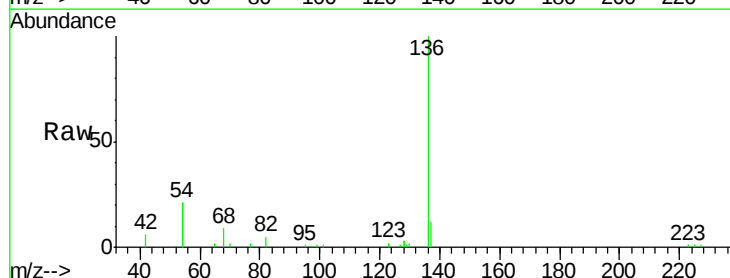
Ion Ratio Lower Upper

136 100

137 12.0 9.5 14.3

54 41.3 29.1 43.7

68 8.6 6.2 9.2

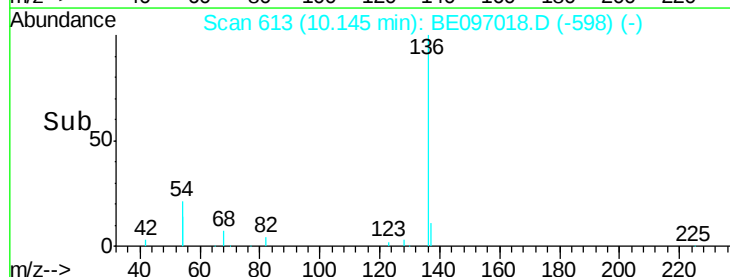
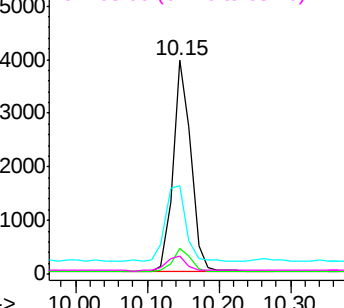


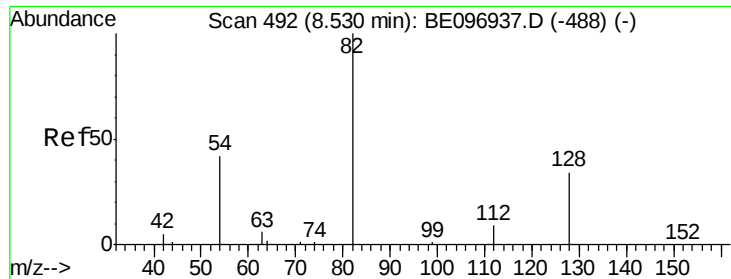
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0

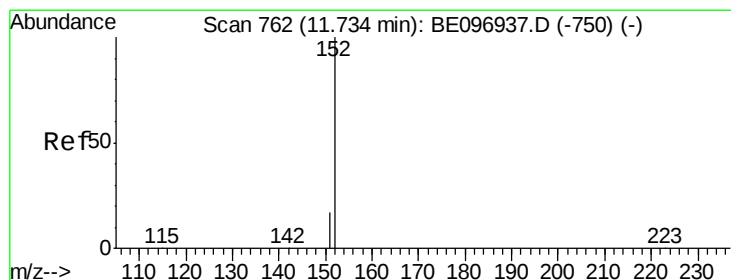
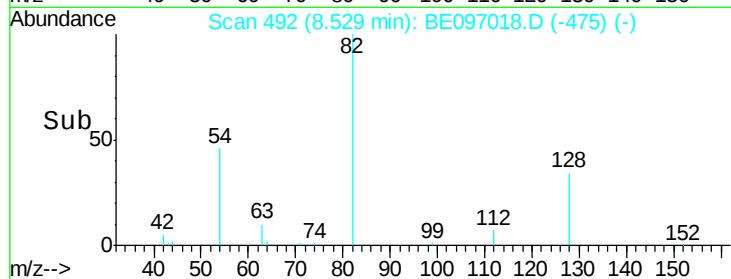
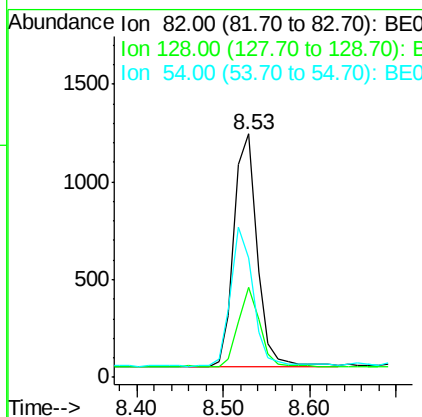
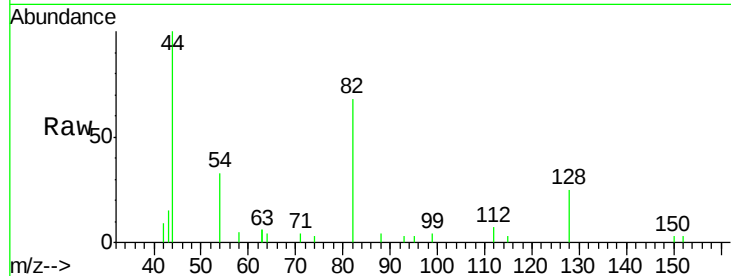




#8  
 Nitrobenzene-d5  
 Concen: 0.450 ng  
 RT: 8.53 min Scan# 492  
 Delta R.T. -0.00 min  
 Lab File: BE097018.D  
 Acq: 20 Jul 2018 7:12

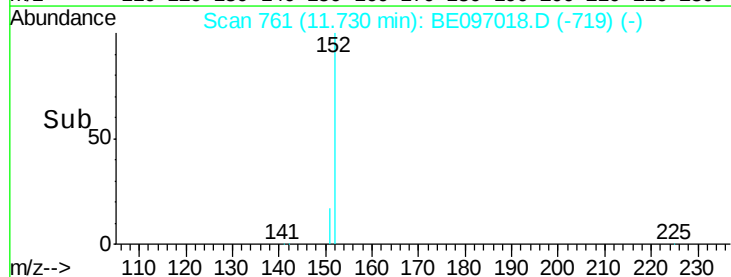
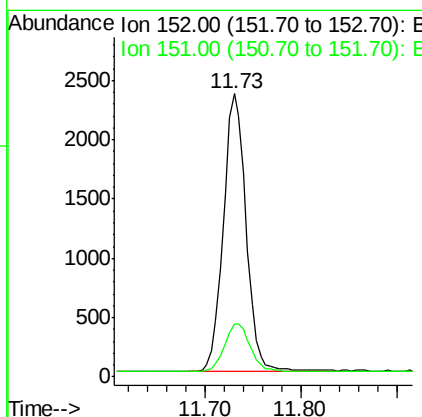
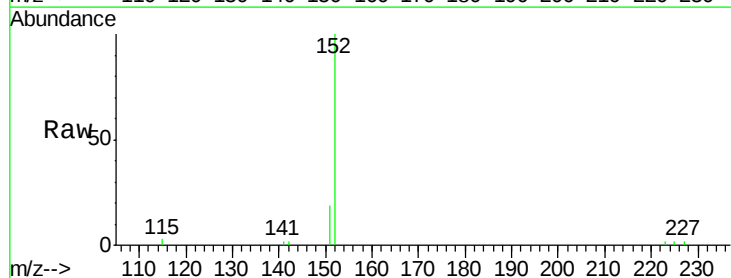
Instrument :  
 BNA\_E  
 ClientSampleId :  
 RE103D3-071218

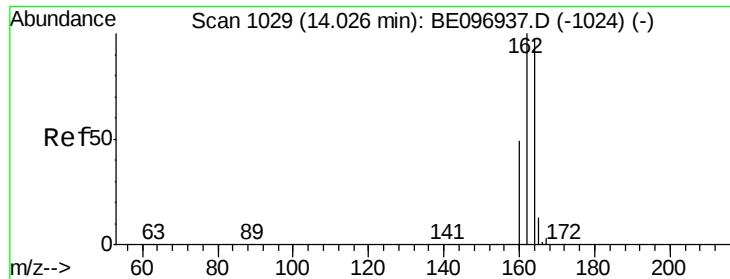
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 36.8  | 24.0  | 36.0# |
| 54      | 49.1  | 40.0  | 60.0  |



#11  
 2-Methylnaphthalene-d10  
 Concen: 0.389 ng  
 RT: 11.73 min Scan# 761  
 Delta R.T. -0.00 min  
 Lab File: BE097018.D  
 Acq: 20 Jul 2018 7:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.0  | 15.4  | 23.0  |





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BE097018.D

Acq: 20 Jul 2018 7:12

Instrument :

BNA\_E

ClientSampleId :

RE103D3-071218

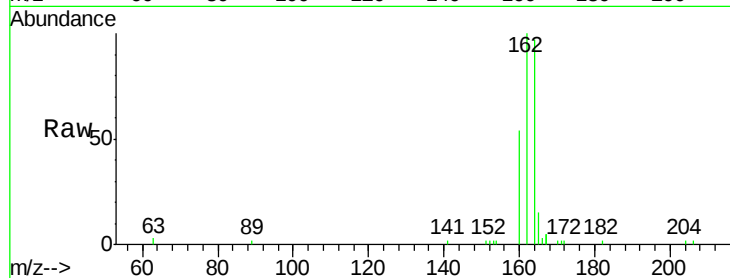
Tgt Ion:164 Resp: 3904

Ion Ratio Lower Upper

164 100

162 103.1 83.1 124.7

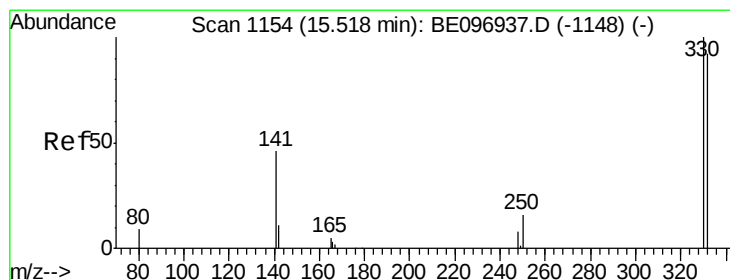
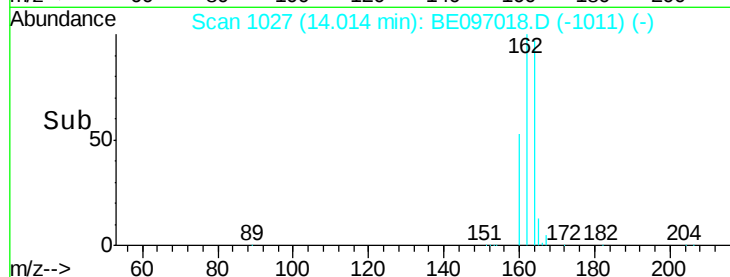
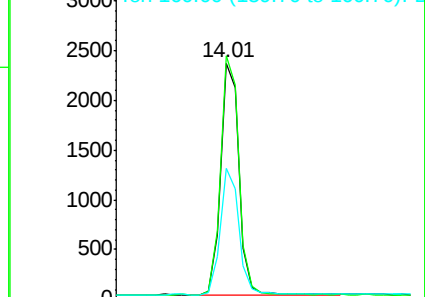
160 55.3 37.1 55.7



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



#14

2,4,6-Tribromophenol

Concen: 0.571 ng

RT: 15.52 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BE097018.D

Acq: 20 Jul 2018 7:12

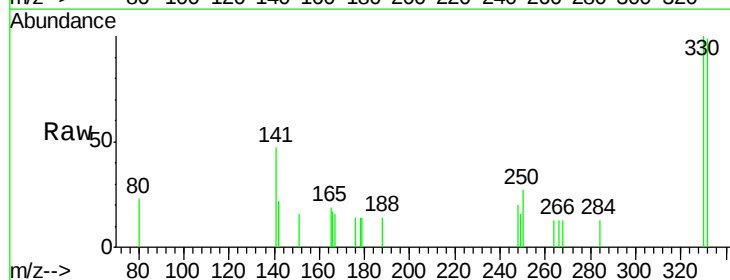
Tgt Ion:330 Resp: 521

Ion Ratio Lower Upper

330 100

332 99.0 152.7 229.1#

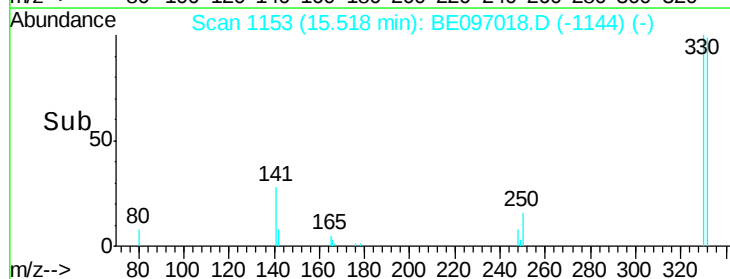
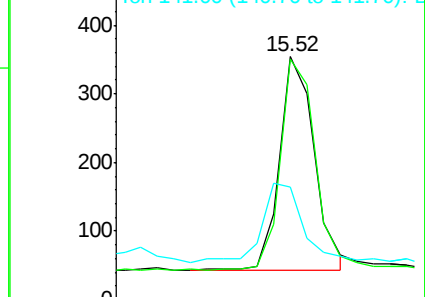
141 43.6 33.7 50.5

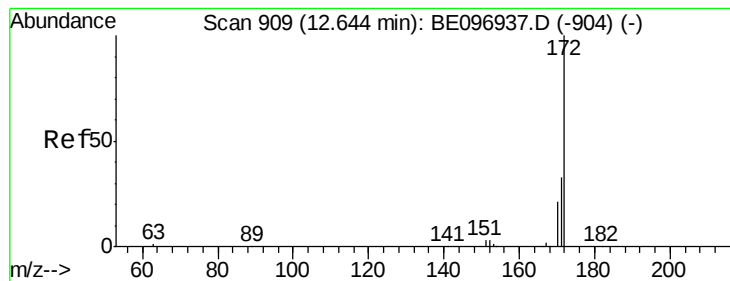


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.488 ng

RT: 12.63 min Scan# 907

Delta R.T. -0.01 min

Lab File: BE097018.D

Acq: 20 Jul 2018 7:12

Instrument :

BNA\_E

ClientSampleId :

RE103D3-071218

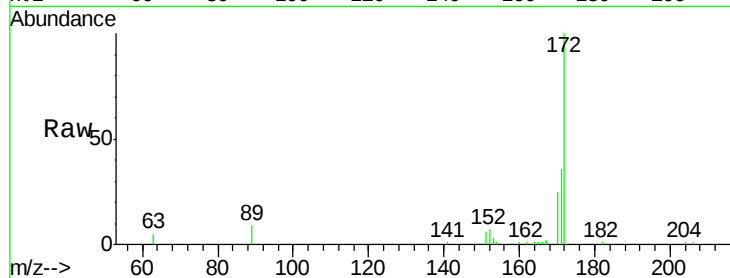
Tgt Ion:172 Resp: 7090

Ion Ratio Lower Upper

172 100

171 36.4 29.9 44.9

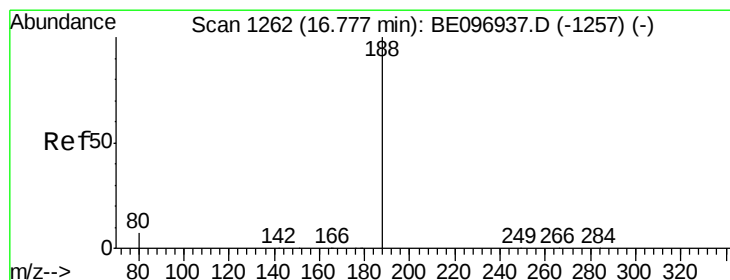
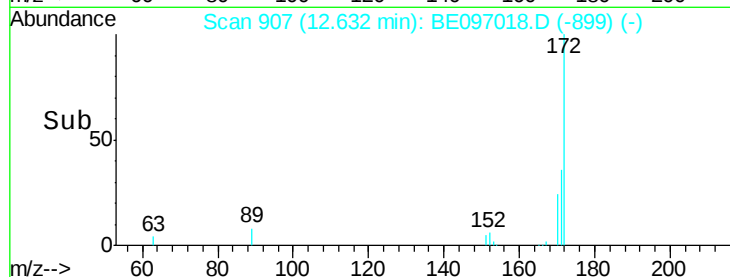
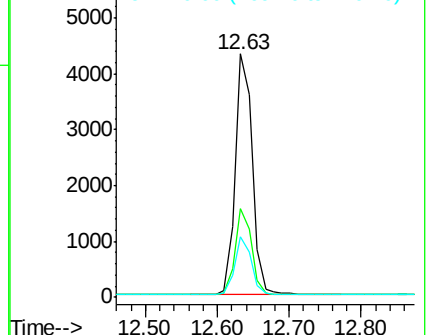
170 25.1 21.8 32.8



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



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.76 min Scan# 1260

Delta R.T. -0.01 min

Lab File: BE097018.D

Acq: 20 Jul 2018 7:12

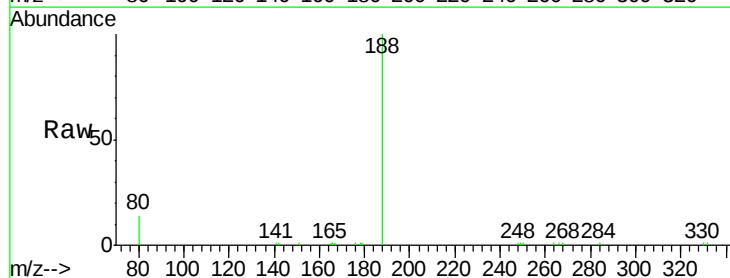
Tgt Ion:188 Resp: 11507

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

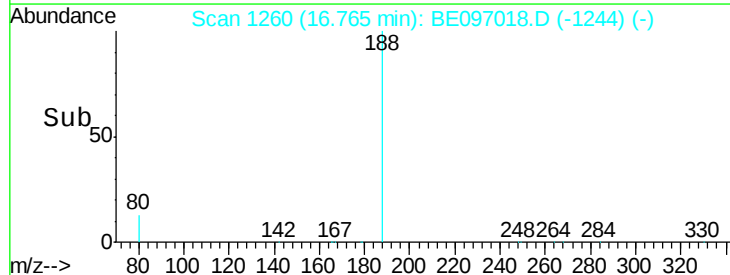
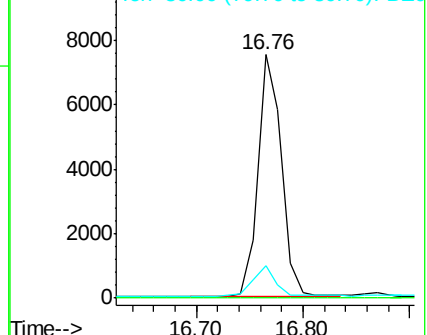
80 13.6 3.6 5.4#

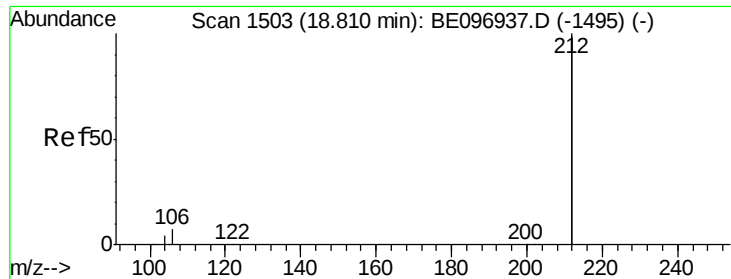


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#25

Fluoranthene-d10

Concen: 0.571 ng

RT: 18.81 min Scan# 1502

Delta R.T. -0.00 min

Lab File: BE097018.D

Acq: 20 Jul 2018 7:12

Instrument :

BNA\_E

ClientSampleId :

RE103D3-071218

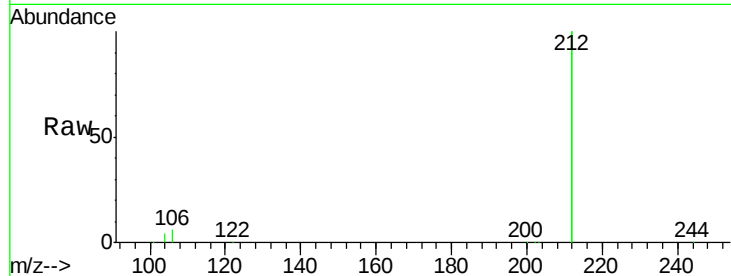
Tgt Ion:212 Resp: 57146

Ion Ratio Lower Upper

212 100

106 3.0 2.8 4.2

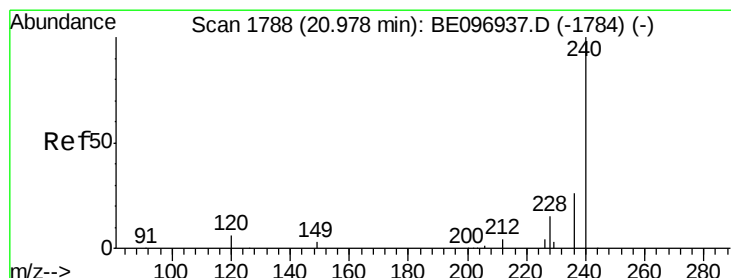
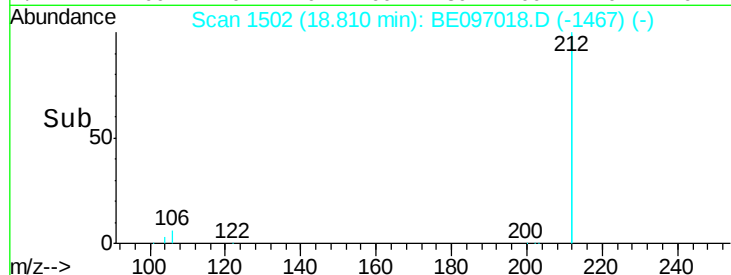
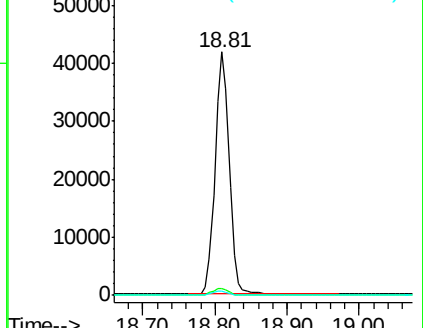
104 1.7 1.6 2.4



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.98 min Scan# 1787

Delta R.T. 0.00 min

Lab File: BE097018.D

Acq: 20 Jul 2018 7:12

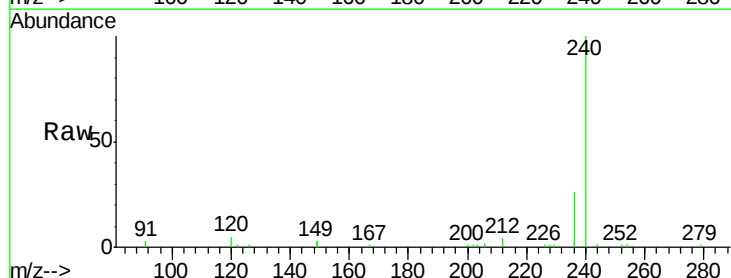
Tgt Ion:240 Resp: 12646

Ion Ratio Lower Upper

240 100

120 4.6 5.5 8.3#

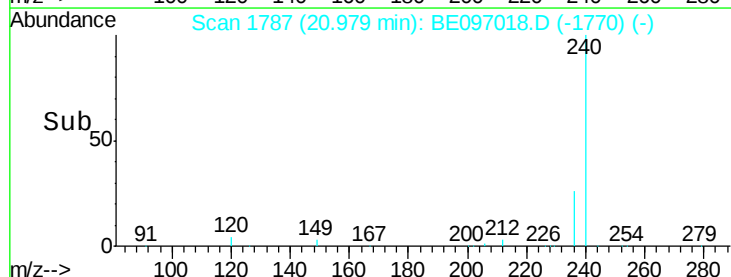
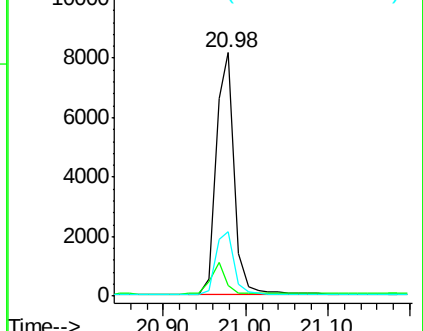
236 26.4 20.7 31.1

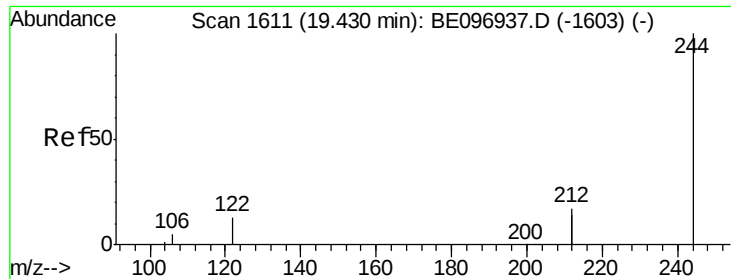


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.642 ng

RT: 19.43 min Scan# 1610

Delta R.T. -0.00 min

Lab File: BE097018.D

Acq: 20 Jul 2018 7:12

Instrument :

BNA\_E

ClientSampleId :

RE103D3-071218

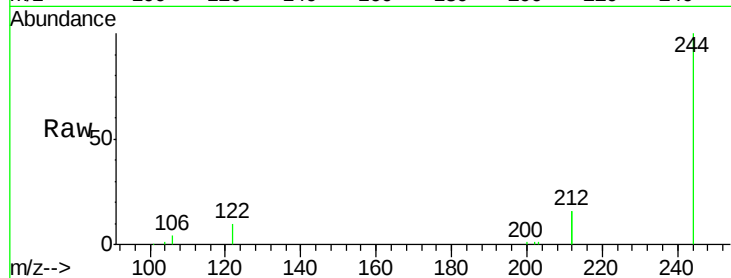
Tgt Ion:244 Resp: 15666

Ion Ratio Lower Upper

244 100

212 31.7 25.4 38.0

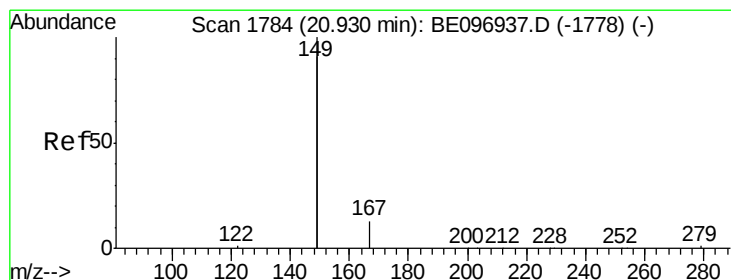
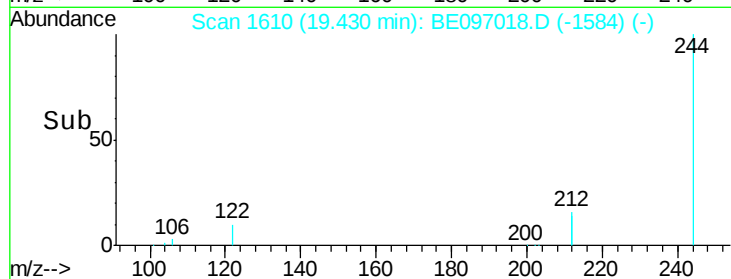
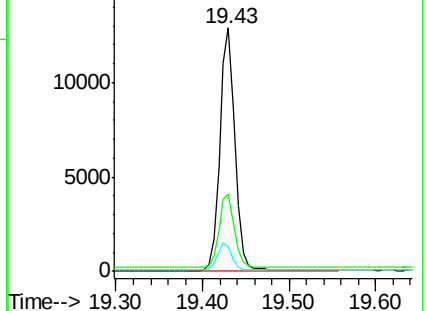
122 10.1 8.1 12.1



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.140 ng

RT: 20.92 min Scan# 1782

Delta R.T. -0.01 min

Lab File: BE097018.D

Acq: 20 Jul 2018 7:12

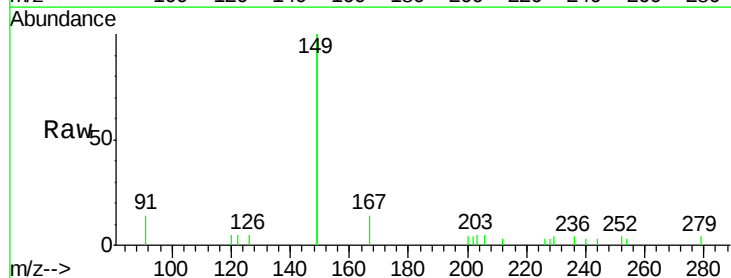
Tgt Ion:149 Resp: 4208

Ion Ratio Lower Upper

149 100

167 6.1 5.4 8.0

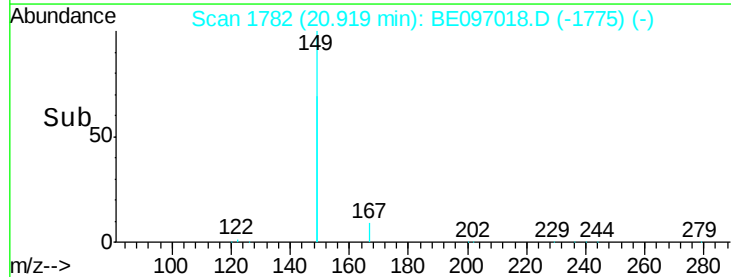
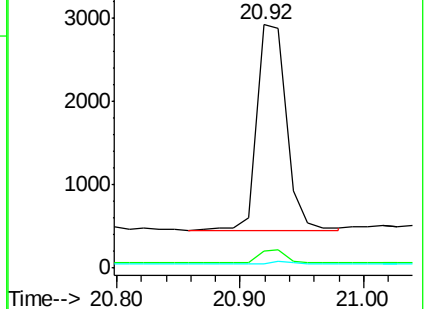
279 1.3 0.7 1.1#

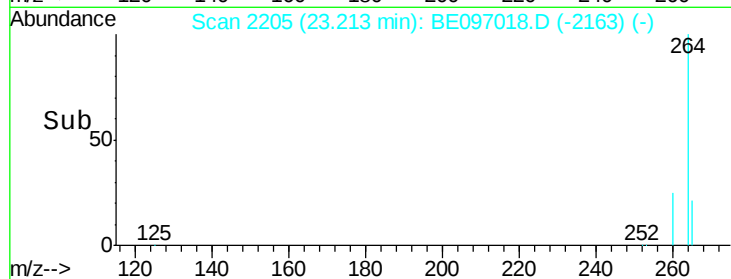
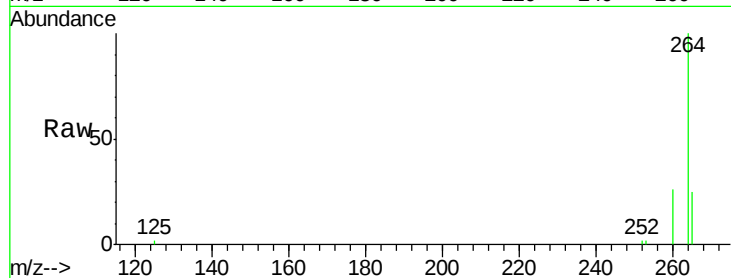
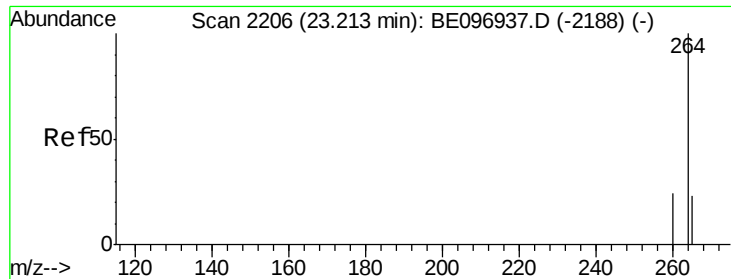


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34

Perylene-d12

Concen: 0.400 ng

RT: 23.21 min Scan# 2205

Delta R.T. -0.00 min

Lab File: BE097018.D

Acq: 20 Jul 2018 7:12

Instrument :

BNA\_E

ClientSampleId :

RE103D3-071218

Tgt Ion:264 Resp: 11450

Ion Ratio Lower Upper

264 100

260 26.0 20.5 30.7

265 25.0 22.8 34.2

