

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071918\  
 Data File : BE097008.D  
 Acq On : 19 Jul 2018 17:05  
 Operator : SJ/JU  
 Sample : J4014-06  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 RE103D2-071218

Quant Time: Jul 20 04:49:20 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

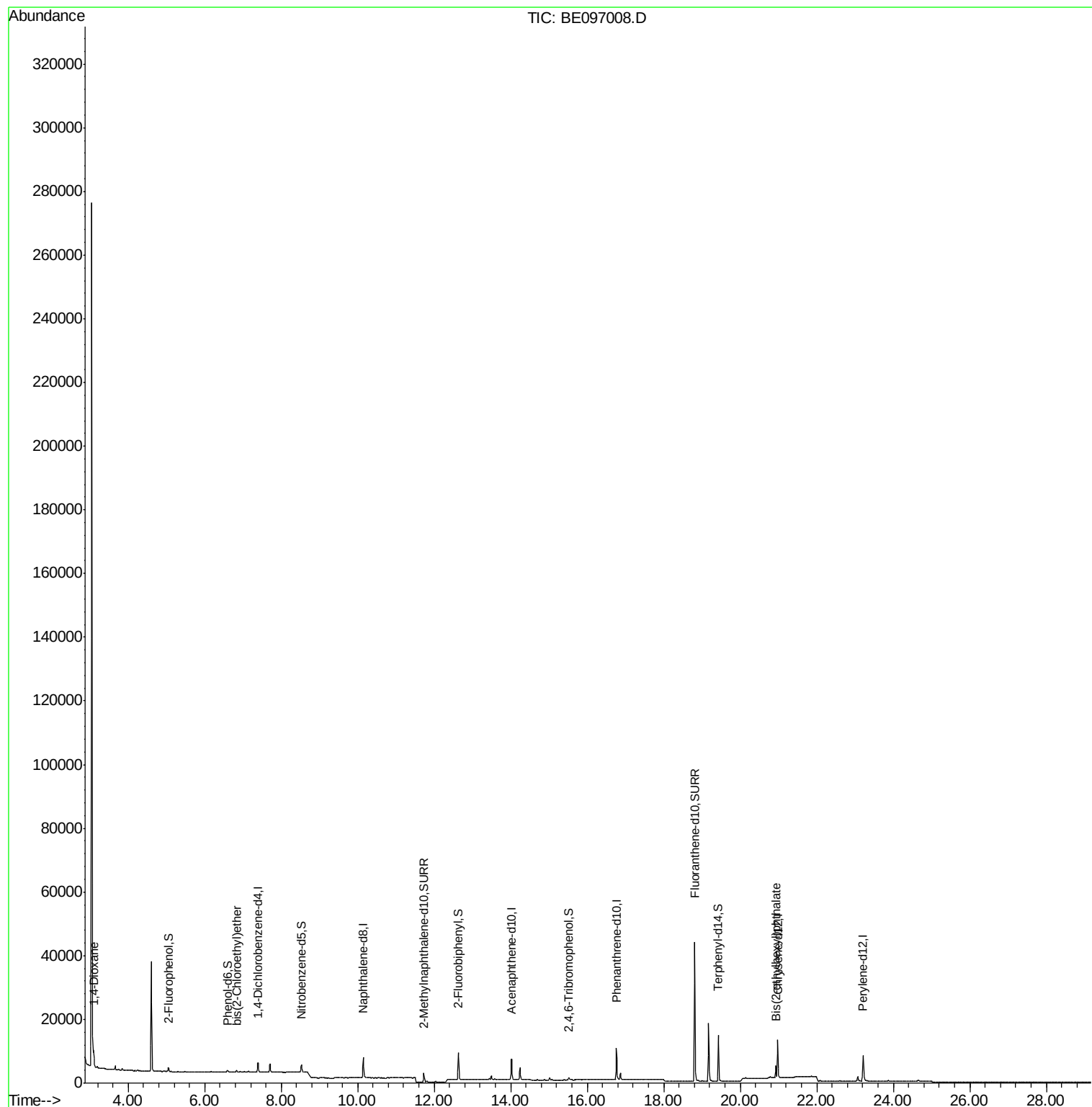
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.40  | 152  | 1474     | 0.40  | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.15 | 136  | 6906     | 0.40  | ng    | 0.00     |
| 13) Acenaphthene-d10           | 14.03 | 164  | 4285     | 0.40  | ng    | 0.00     |
| 19) Phenanthrene-d10           | 16.77 | 188  | 12903    | 0.40  | ng    | -0.01    |
| 27) Chrysene-d12               | 20.98 | 240  | 12167    | 0.40  | ng    | 0.00     |
| 34) Perylene-d12               | 23.21 | 264  | 11088    | 0.40  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.06  | 112  | 687      | 0.19  | ng    | 0.01     |
| 5) Phenol-d6                   | 6.59  | 99   | 594      | 0.11  | ng    | 0.00     |
| 8) Nitrobenzene-d5             | 8.53  | 82   | 2314     | 0.46  | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10    | 11.73 | 152  | 3918     | 0.39  | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol       | 15.52 | 330  | 520      | 0.53  | ng    | 0.00     |
| 15) 2-Fluorobiphenyl           | 12.63 | 172  | 8005     | 0.50  | ng    | -0.01    |
| 25) Fluoranthene-d10           | 18.81 | 212  | 57666    | 0.51  | ng    | 0.00     |
| 29) Terphenyl-d14              | 19.43 | 244  | 12378    | 0.53  | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 2) 1,4-Dioxane                 | 3.09  | 88   | 1819     | 0.862 | ng    | 95       |
| 6) bis(2-Chloroethyl)ether     | 6.84  | 93   | 178      | 0.034 | ng    | # 94     |
| 32) Bis(2-ethylhexyl)phthalate | 20.93 | 149  | 4682     | 0.162 | ng    | # 100    |

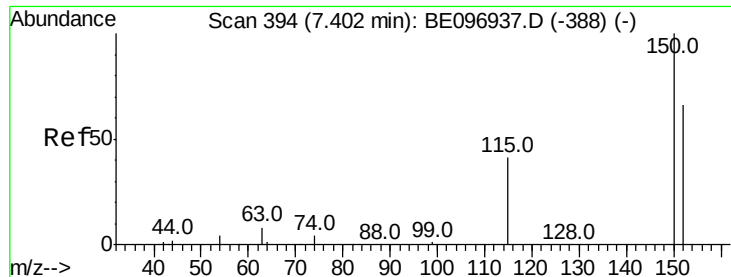
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.40 min Scan# 394

Delta R.T. -0.00 min

Lab File: BE097008.D

Acq: 19 Jul 2018 17:05

Instrument :

BNA\_E

ClientSampleId :

RE103D2-071218

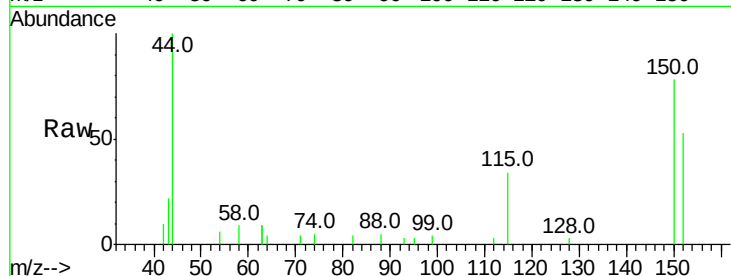
Tot Ion:152 Resp: 1474

Ion Ratio Lower Upper

152 100

150 147.1 117.2 175.8

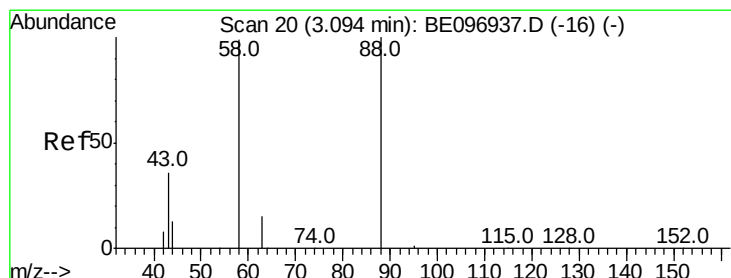
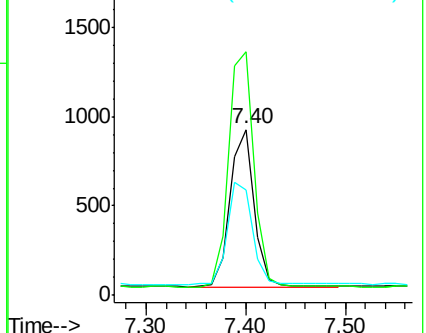
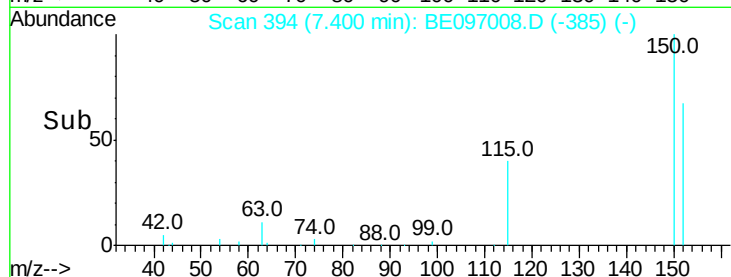
115 63.5 57.0 85.6



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



#2

1,4-Dioxane

Concen: 0.862 ng

RT: 3.09 min Scan# 20

Delta R.T. -0.00 min

Lab File: BE097008.D

Acq: 19 Jul 2018 17:05

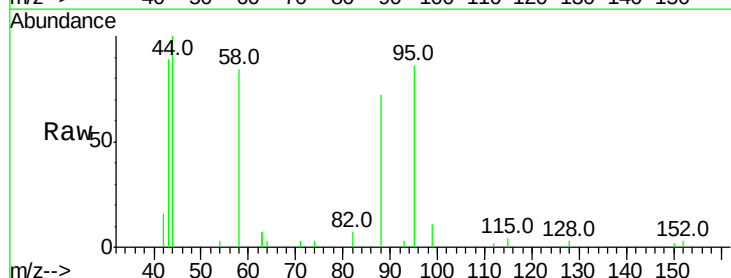
Tgt Ion: 88 Resp: 1819

Ion Ratio Lower Upper

88 100

58 85.2 63.2 94.8

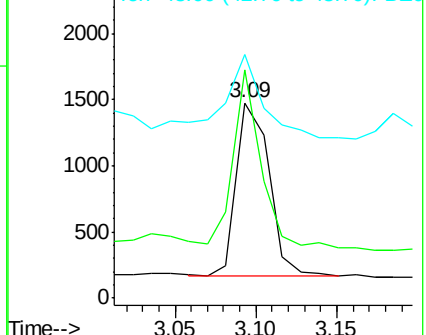
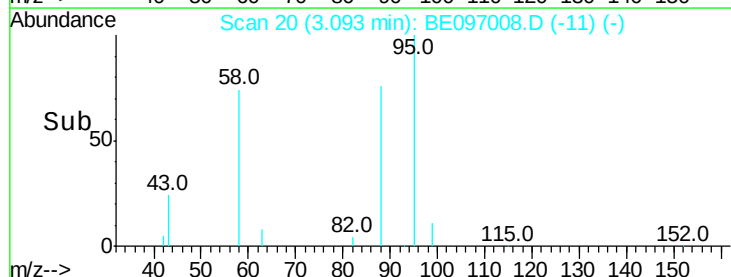
43 53.5 41.2 61.8

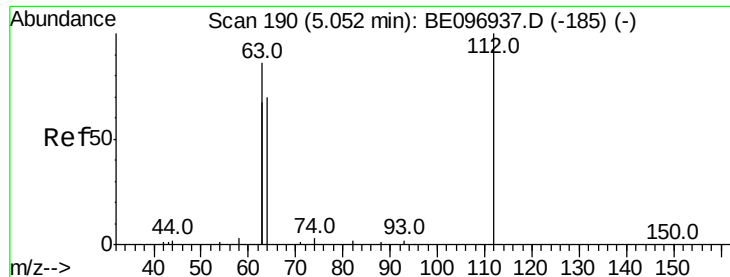


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.195 ng

RT: 5.06 min Scan# 191

Delta R.T. 0.01 min

Lab File: BE097008.D

Acq: 19 Jul 2018 17:05

Instrument :

BNA\_E

ClientSampleId :

RE103D2-071218

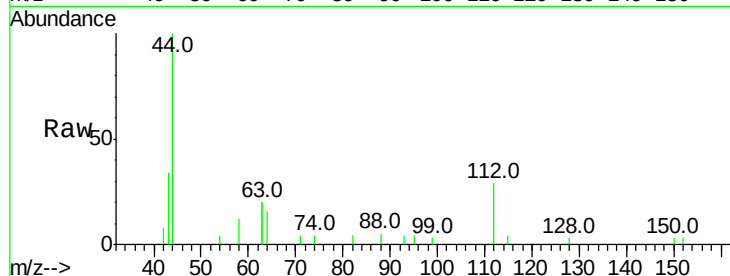
Tot Ion: 112 Resp: 687

Ion Ratio Lower Upper

112 100

64 69.7 60.1 90.1

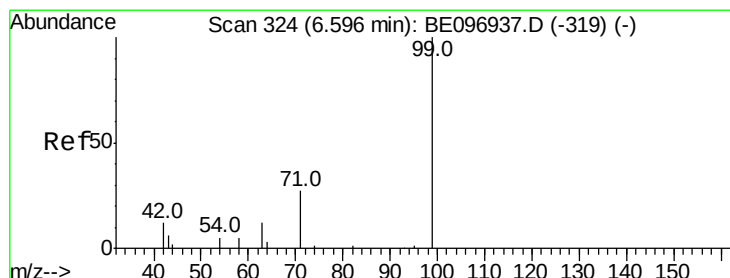
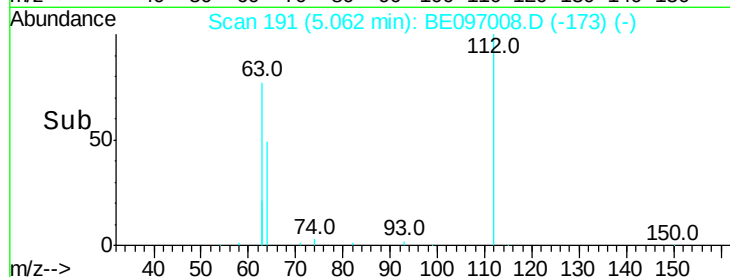
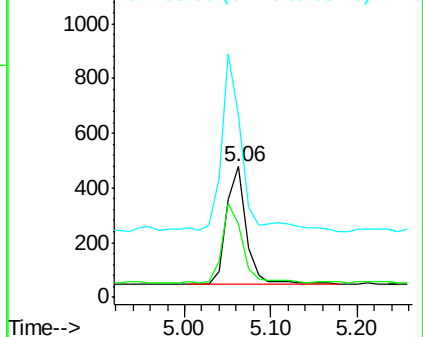
63 139.0 116.8 175.2



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: 0.110 ng

RT: 6.59 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097008.D

Acq: 19 Jul 2018 17:05

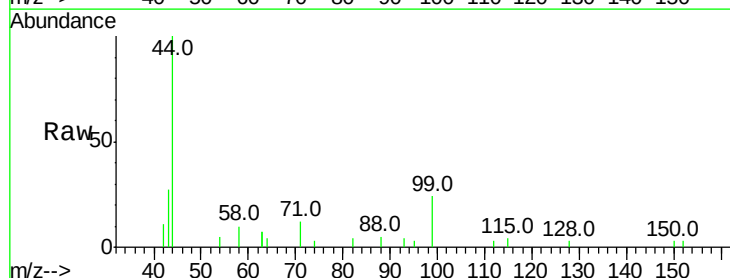
Tgt Ion: 99 Resp: 594

Ion Ratio Lower Upper

99 100

42 25.8 20.2 30.2

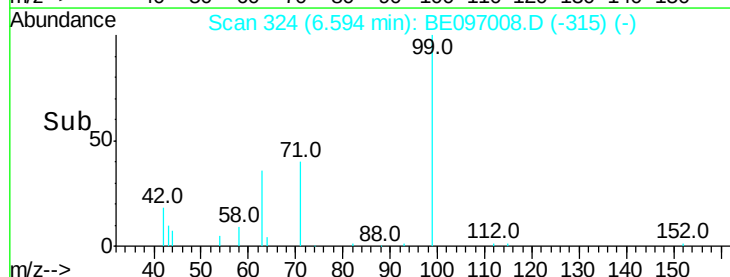
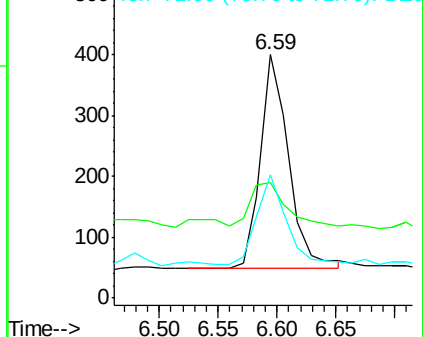
71 43.3 28.4 42.6#

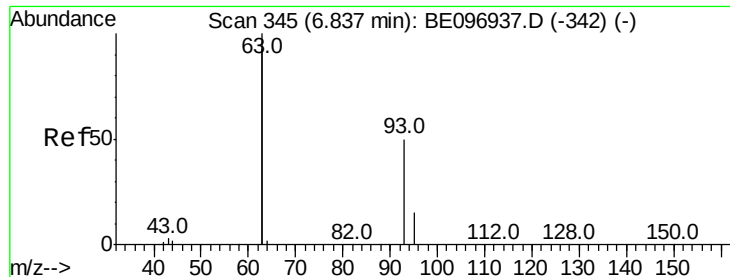


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.034 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE097008.D

Acq: 19 Jul 2018 17:05

Instrument :

BNA\_E

ClientSampleId :

RE103D2-071218

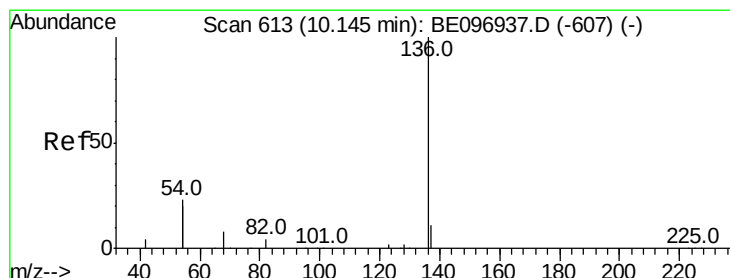
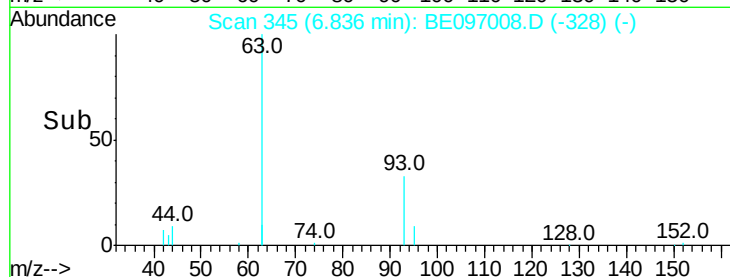
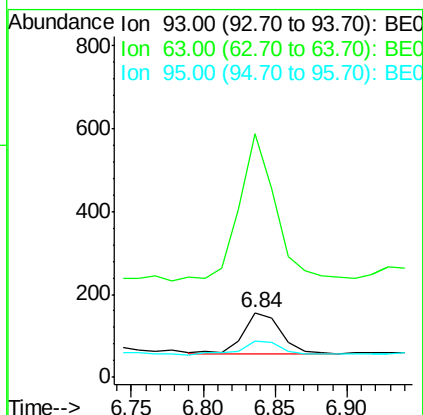
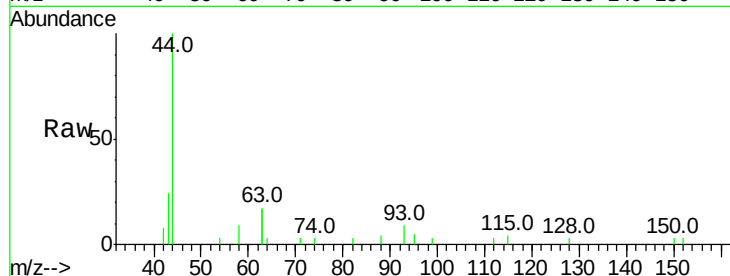
Tot Ion: 93 Resp: 178

Ion Ratio Lower Upper

93 100

63 356.2 275.3 412.9

95 39.3 25.2 37.8#



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE097008.D

Acq: 19 Jul 2018 17:05

Tgt Ion: 136 Resp: 6906

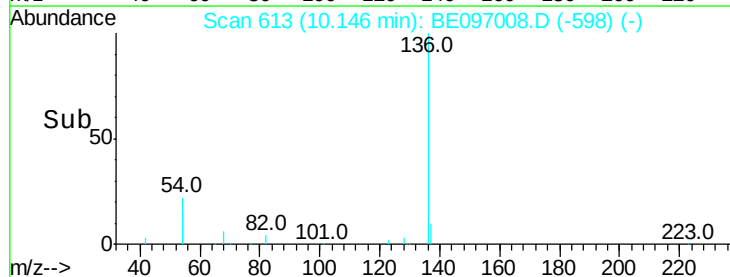
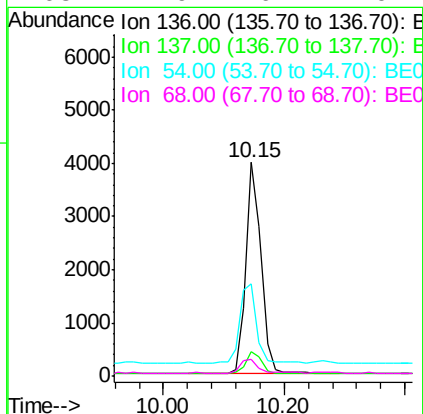
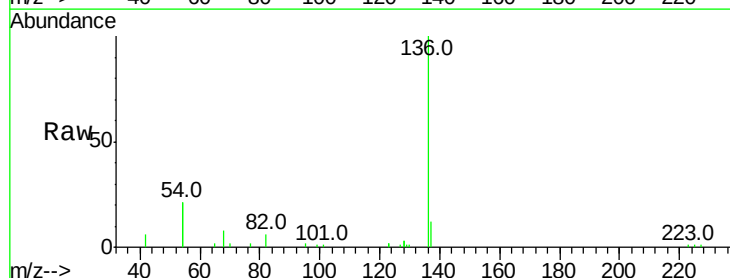
Ion Ratio Lower Upper

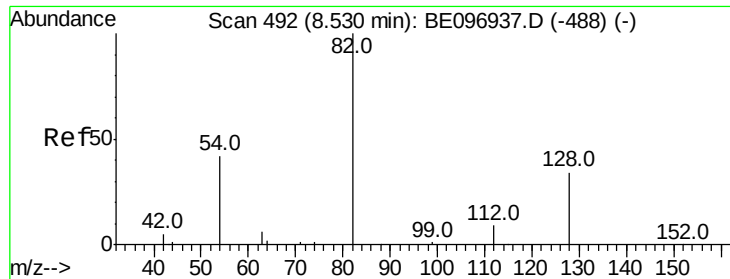
136 100

137 11.6 9.5 14.3

54 42.9 29.1 43.7

68 7.9 6.2 9.2





#8

Nitrobenzene-d5

Concen: 0.459 ng

RT: 8.53 min Scan# 492

Delta R.T. -0.00 min

Lab File: BE097008.D

Acq: 19 Jul 2018 17:05

Instrument :

BNA\_E

ClientSampleId :

RE103D2-071218

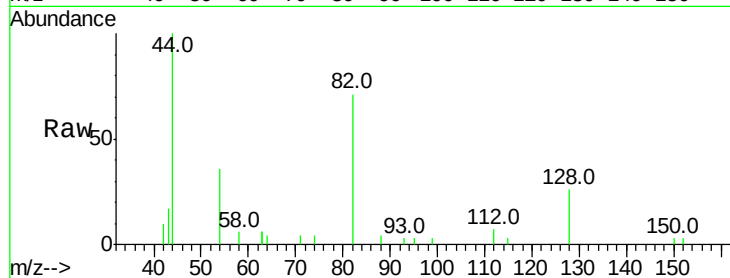
Tot Ion: 82 Resp: 2314

Ion Ratio Lower Upper

82 100

128 36.1 24.0 36.0#

54 50.3 40.0 60.0

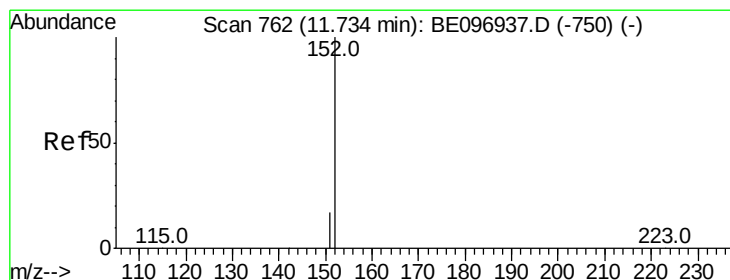
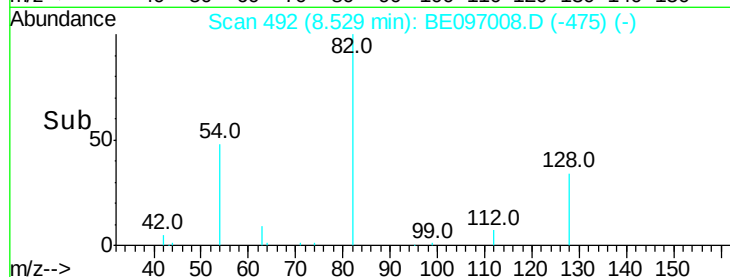


Abundance Ion 82.00 (81.70 to 82.70): BE096937.D (-488) (-)

Ion 128.00 (127.70 to 128.70): BE096937.D (-488) (-)

Ion 54.00 (53.70 to 54.70): BE096937.D (-488) (-)

Time--> 8.30 8.40 8.50 8.60 8.70



#11

2-Methylnaphthalene-d10

Concen: 0.389 ng

RT: 11.73 min Scan# 761

Delta R.T. -0.00 min

Lab File: BE097008.D

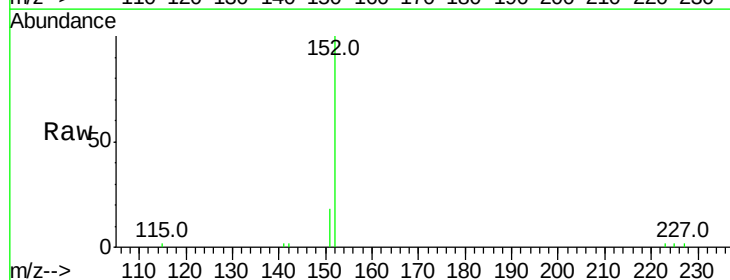
Acq: 19 Jul 2018 17:05

Tgt Ion: 152 Resp: 3918

Ion Ratio Lower Upper

152 100

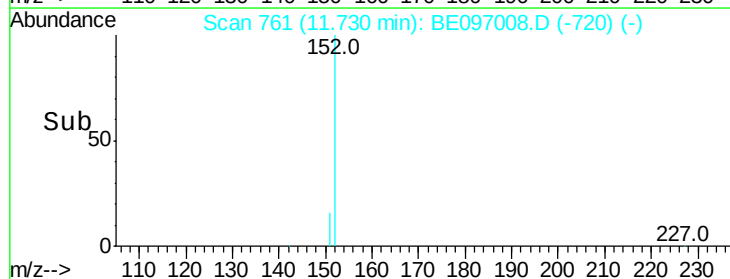
151 18.8 15.4 23.0

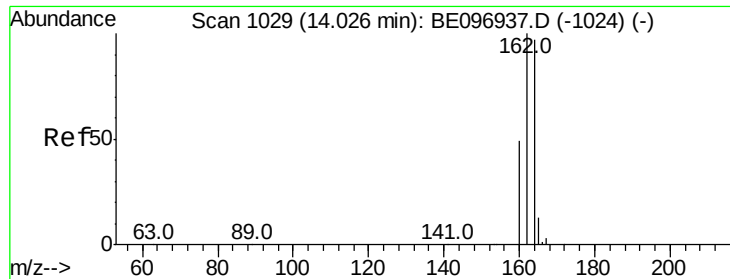


Abundance Ion 152.00 (151.70 to 152.70): BE096937.D (-750) (-)

Ion 151.00 (150.70 to 151.70): BE096937.D (-750) (-)

Time--> 11.60 11.70 11.80





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.03 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BE097008.D

Acq: 19 Jul 2018 17:05

Instrument :

BNA\_E

ClientSampleId :

RE103D2-071218

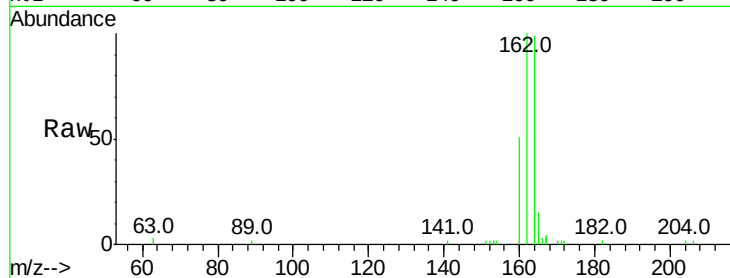
Tot Ion:164 Resp: 4285

Ion Ratio Lower Upper

164 100

162 101.1 83.1 124.7

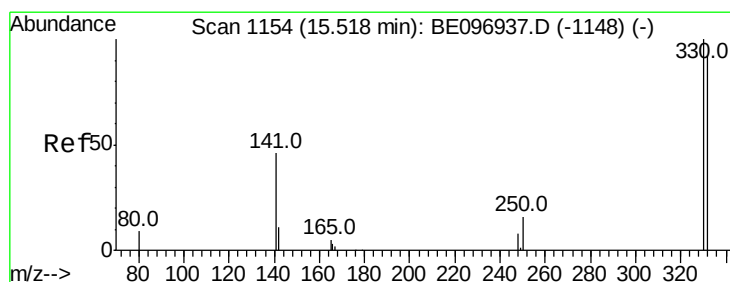
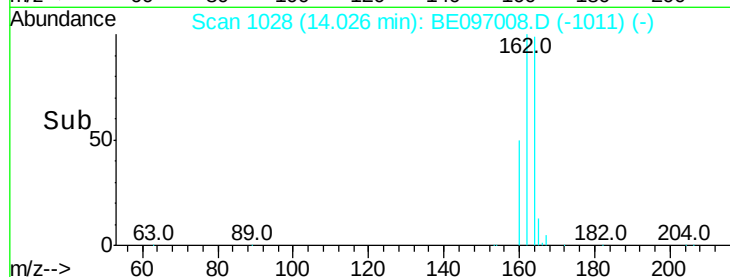
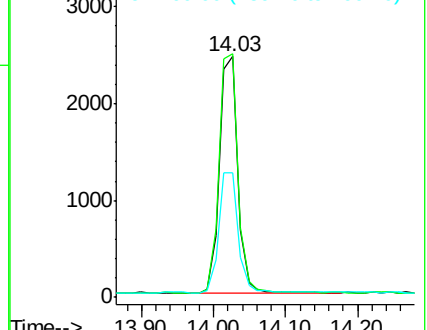
160 51.9 37.1 55.7



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: 0.528 ng

RT: 15.52 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BE097008.D

Acq: 19 Jul 2018 17:05

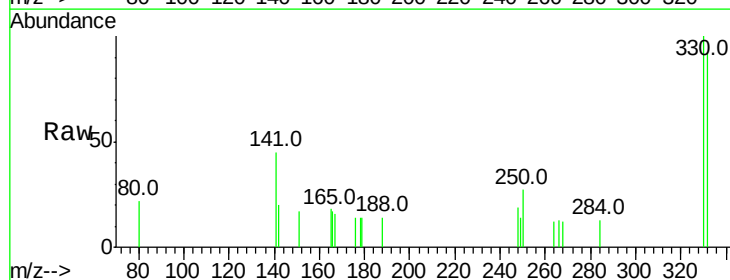
Tgt Ion:330 Resp: 520

Ion Ratio Lower Upper

330 100

332 94.6 152.7 229.1#

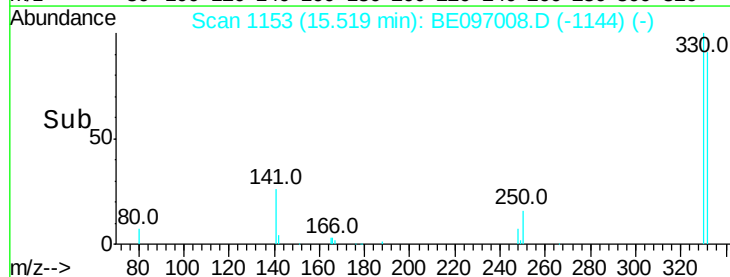
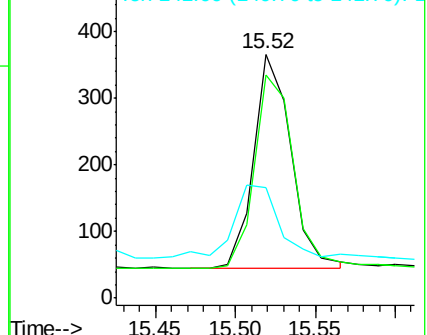
141 39.6 33.7 50.5

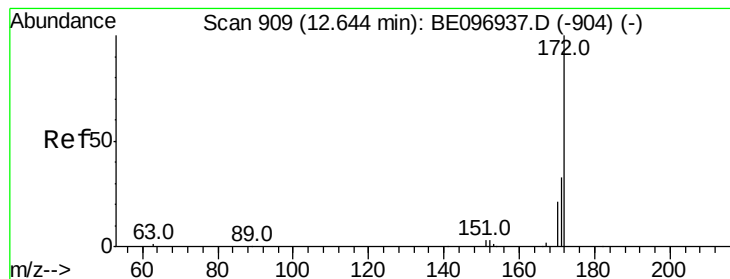


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.502 ng

RT: 12.63 min Scan# 907

Delta R.T. -0.01 min

Lab File: BE097008.D

Acq: 19 Jul 2018 17:05

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BNA\_E

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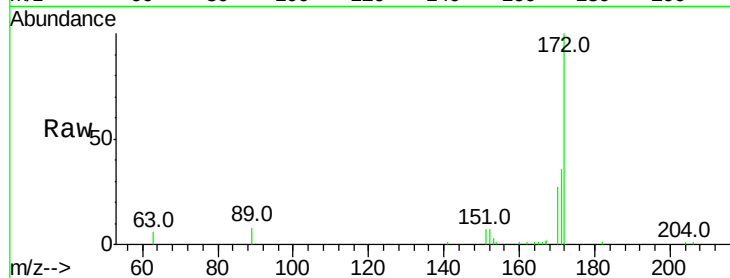
Tot Ion:172 Resp: 8005

Ion Ratio Lower Upper

172 100

171 36.4 29.9 44.9

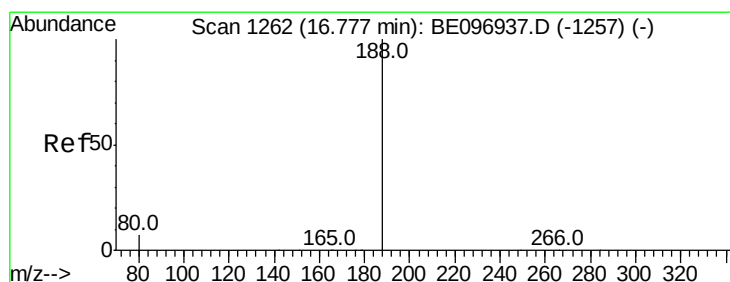
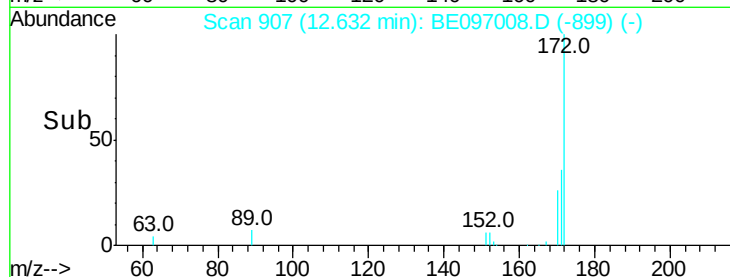
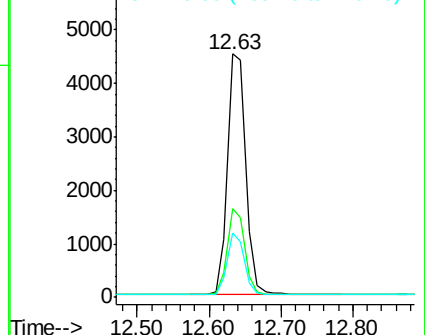
170 26.5 21.8 32.8



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: 16.77 min Scan# 1260

Delta R.T. -0.01 min

Lab File: BE097008.D

Acq: 19 Jul 2018 17:05

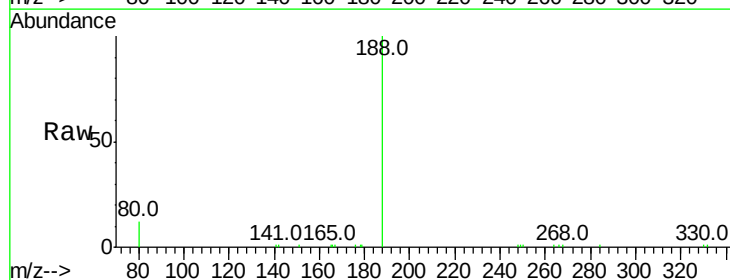
Tgt Ion:188 Resp: 12903

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

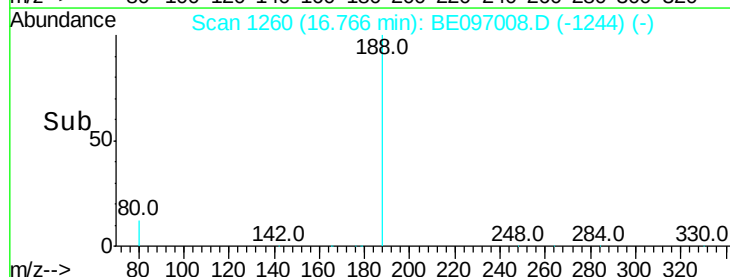
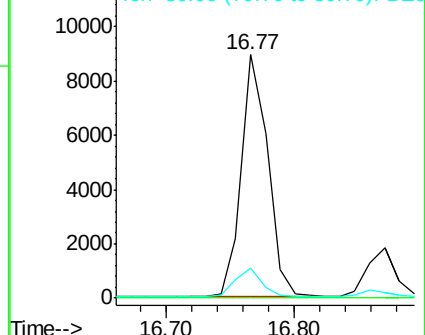
80 12.5 3.6 5.4#



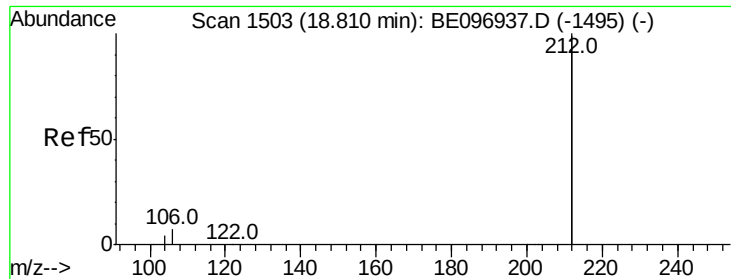
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0







#25

Fluoranthene-d10

Concen: 0.514 ng

RT: 18.81 min Scan# 1501

Delta R.T. -0.00 min

Lab File: BE097008.D

Acq: 19 Jul 2018 17:05

Instrument :

BNA\_E

ClientSampleId :

RE103D2-071218

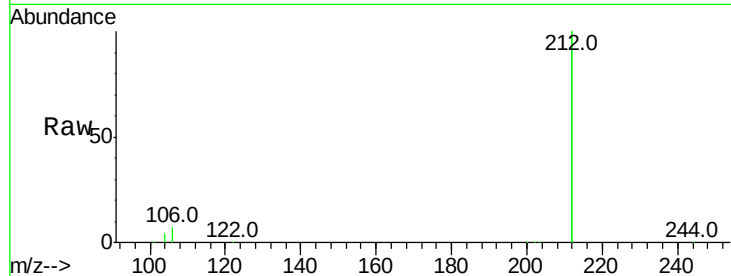
Tot Ion:212 Resp: 57666

Ion Ratio Lower Upper

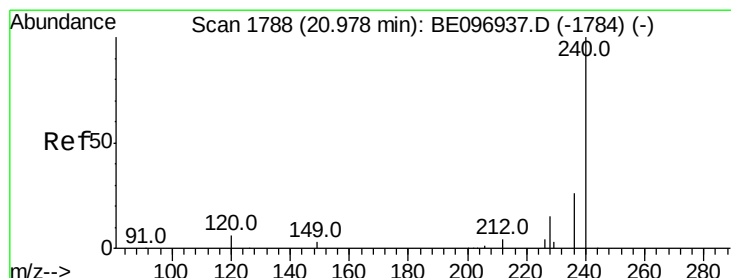
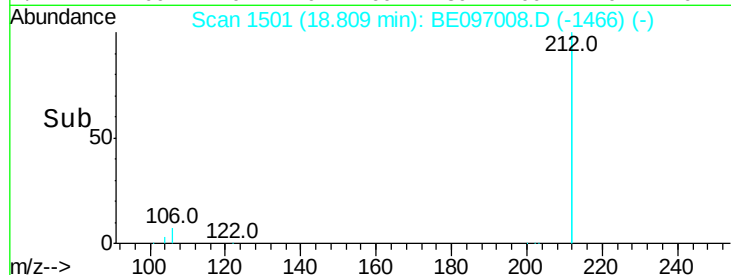
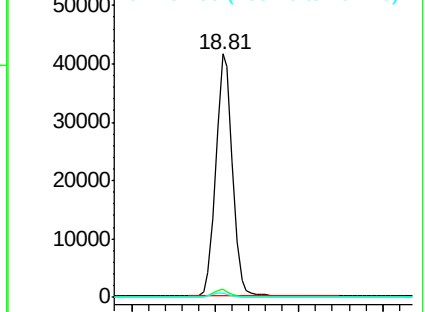
212 100

106 3.1 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# 1786

Delta R.T. -0.00 min

Lab File: BE097008.D

Acq: 19 Jul 2018 17:05

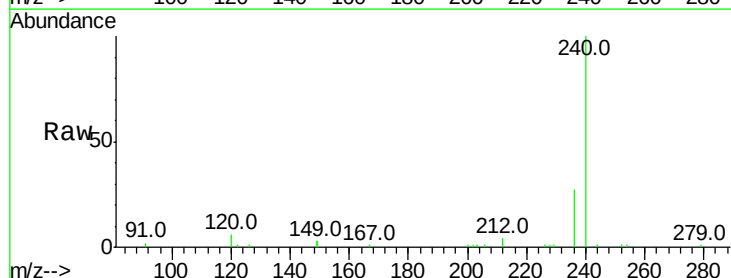
Tgt Ion:240 Resp: 12167

Ion Ratio Lower Upper

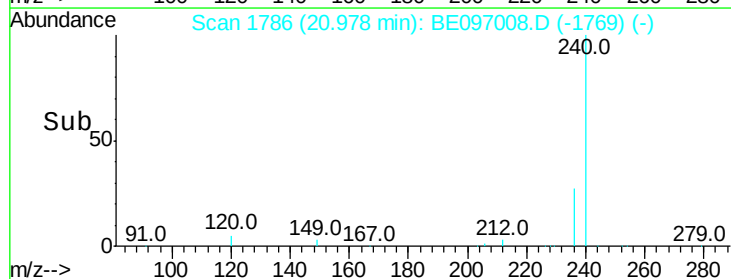
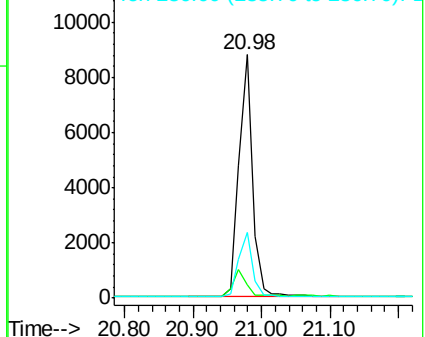
240 100

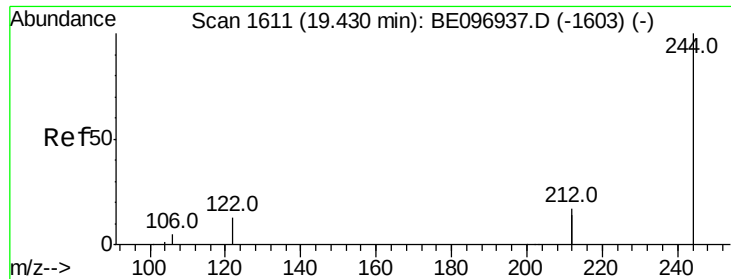
120 5.7 5.5 8.3

236 27.1 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: 0.527 ng

RT: 19.43 min Scan# 1609

Delta R.T. -0.00 min

Lab File: BE097008.D

Acq: 19 Jul 2018 17:05

Instrument :

BNA\_E

ClientSampleId :

RE103D2-071218

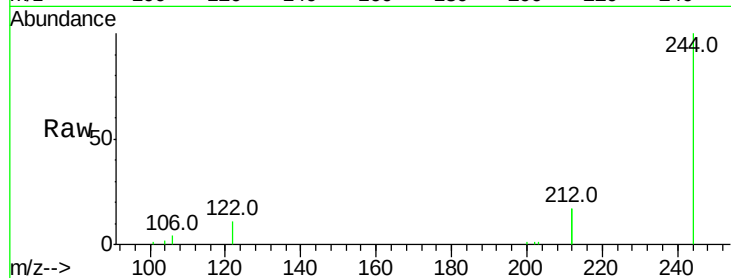
Tot Ion:244 Resp: 12378

Ion Ratio Lower Upper

244 100

212 33.7 25.4 38.0

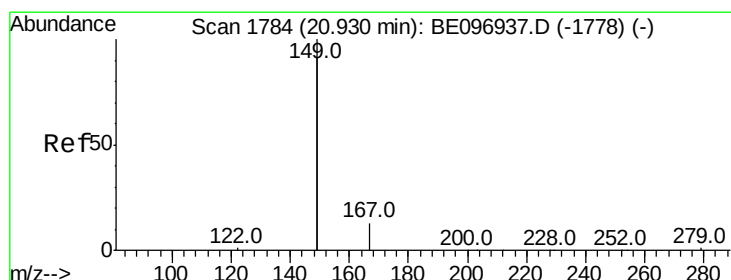
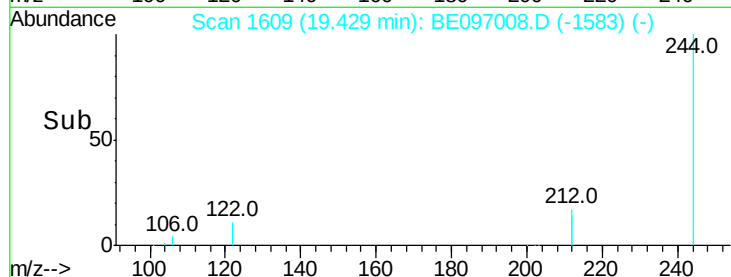
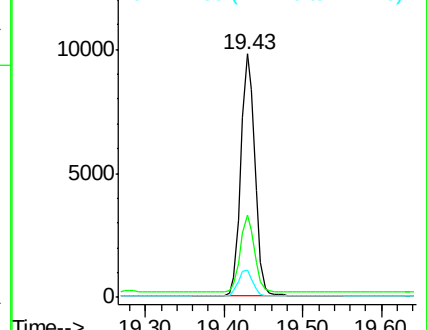
122 11.1 8.1 12.1



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: 0.162 ng

RT: 20.93 min Scan# 1782

Delta R.T. -0.00 min

Lab File: BE097008.D

Acq: 19 Jul 2018 17:05

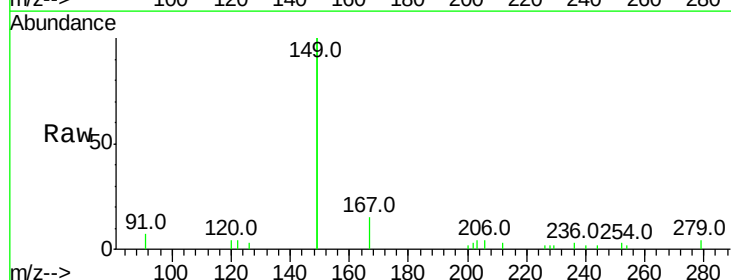
Tgt Ion:149 Resp: 4682

Ion Ratio Lower Upper

149 100

167 6.7 5.4 8.0

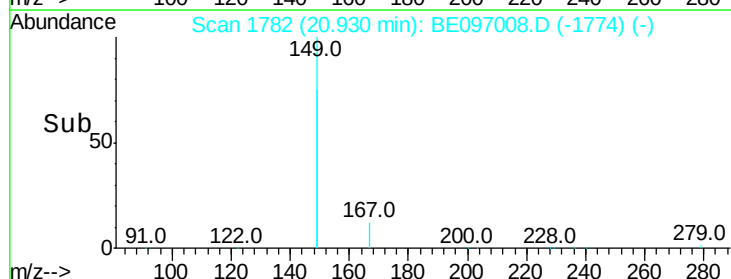
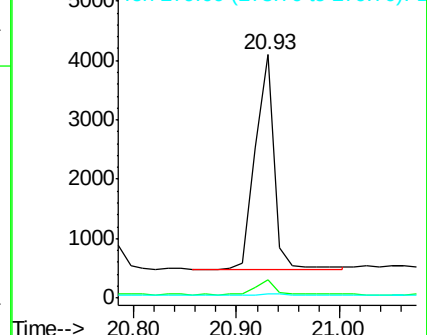
279 1.2 0.7 1.1#

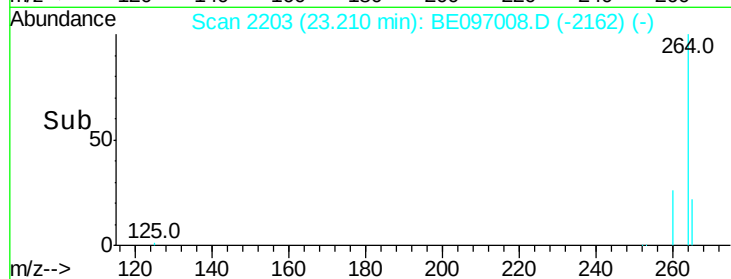
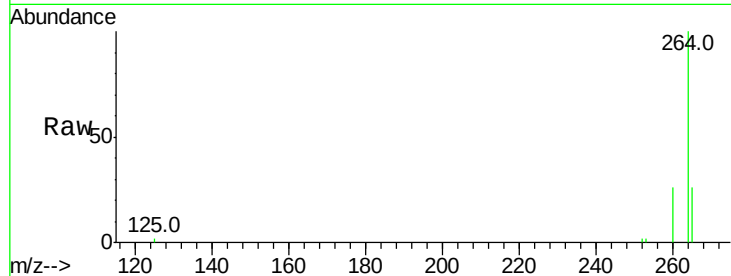
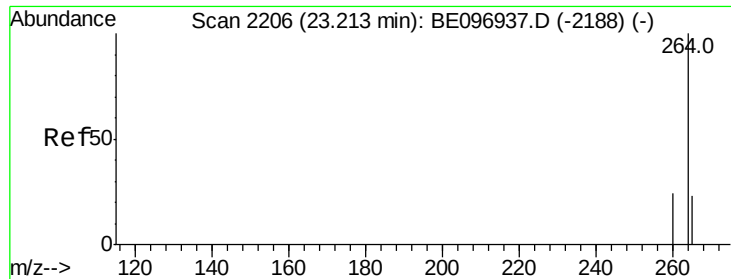


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34

Pervlene-d12

Concen: 0.400 ng

RT: 23.21 min Scan# 2203

Delta R.T. -0.00 min

Lab File: BE097008.D

Acq: 19 Jul 2018 17:05

Instrument :

BNA\_E

ClientSampleId :

RE103D2-071218

Tot Ion:264 Resp: 11088

Ion Ratio Lower Upper

264 100

260 25.8 20.5 30.7

265 26.0 22.8 34.2

