

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072318\  
 Data File : BE097053.D  
 Acq On : 24 Jul 2018 1:59  
 Operator : SJ/JU  
 Sample : J4073-12  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 RE123D2-071818

Quant Time: Jul 24 06:42:17 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE071618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 20 11:34:20 2018  
 Response via : Initial Calibration

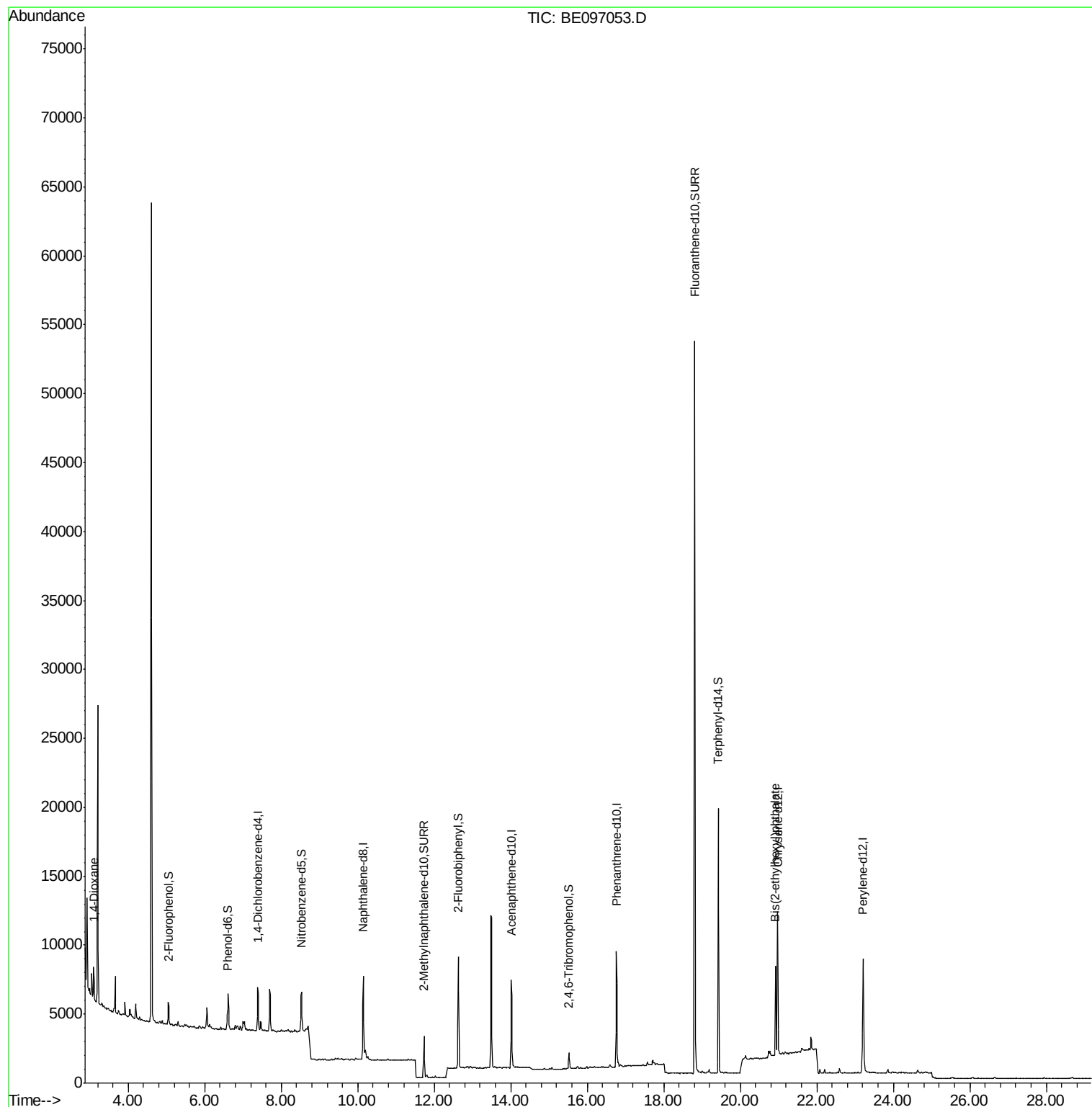
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.39  | 152  | 1399     | 0.40  | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.15 | 136  | 6474     | 0.40  | ng    | 0.00     |
| 13) Acenaphthene-d10           | 14.01 | 164  | 3834     | 0.40  | ng    | 0.00     |
| 19) Phenanthrene-d10           | 16.76 | 188  | 11468    | 0.40  | ng    | 0.00     |
| 27) Chrysene-d12               | 20.98 | 240  | 12608    | 0.40  | ng    | 0.00     |
| 34) Perylene-d12               | 23.21 | 264  | 11876    | 0.40  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.06  | 112  | 877      | 0.26  | ng    | 0.00     |
| 5) Phenol-d6                   | 6.59  | 99   | 731      | 0.14  | ng    | 0.00     |
| 8) Nitrobenzene-d5             | 8.53  | 82   | 2735     | 0.58  | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10    | 11.73 | 152  | 4304     | 0.46  | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol       | 15.52 | 330  | 704      | 0.74  | ng    | 0.00     |
| 15) 2-Fluorobiphenyl           | 12.63 | 172  | 7202     | 0.51  | ng    | 0.00     |
| 25) Fluoranthene-d10           | 18.81 | 212  | 66606    | 0.67  | ng    | 0.00     |
| 29) Terphenyl-d14              | 19.43 | 244  | 16768    | 0.69  | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                 | 3.09  | 88   | 1244     | 0.621 | ng    | 88       |
| 32) Bis(2-ethylhexyl)phthalate | 20.92 | 149  | 8994     | 0.300 | ng    | 100      |

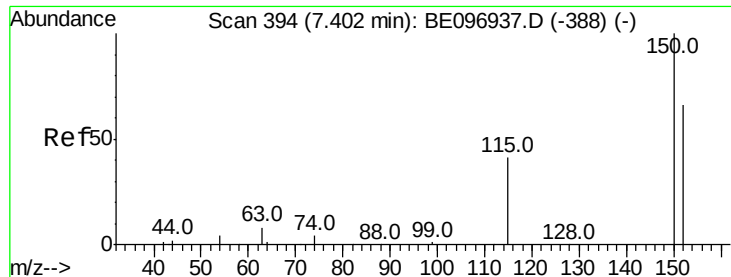
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.39 min Scan# 393

Delta R.T. -0.00 min

Lab File: BE097053.D

Acq: 24 Jul 2018 1:59

Instrument :

BNA\_E

ClientSampleId :

RE123D2-071818

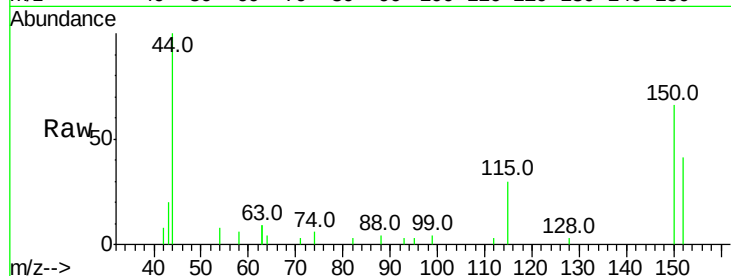
Tot Ion:152 Resp: 1399

Ion Ratio Lower Upper

152 100

150 162.2 117.2 175.8

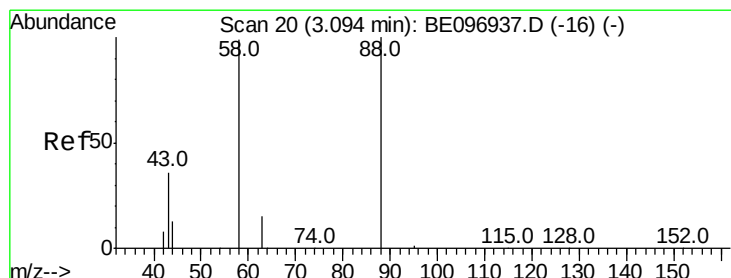
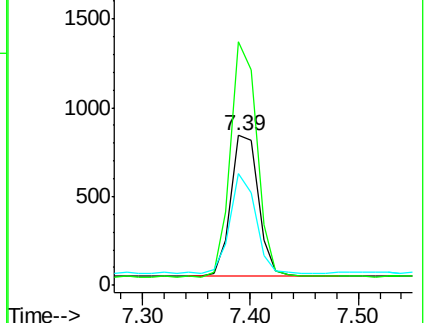
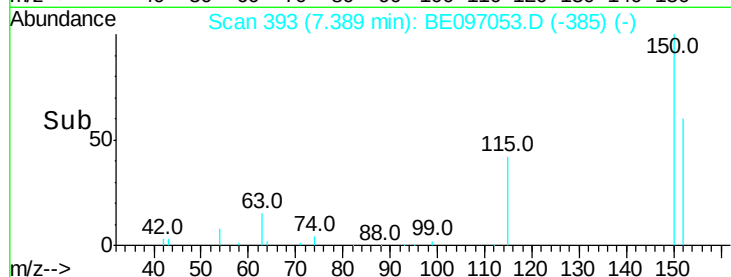
115 74.4 57.0 85.6



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: 0.621 ng

RT: 3.09 min Scan# 20

Delta R.T. -0.00 min

Lab File: BE097053.D

Acq: 24 Jul 2018 1:59

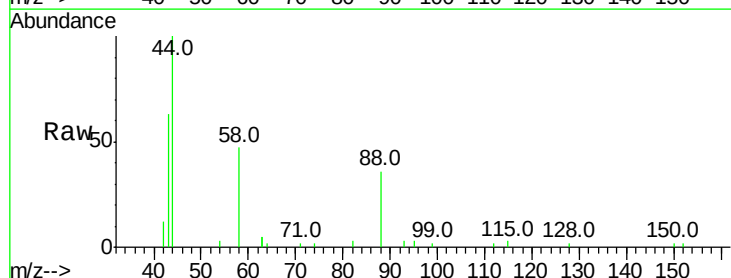
Tgt Ion: 88 Resp: 1244

Ion Ratio Lower Upper

88 100

58 92.2 63.2 94.8

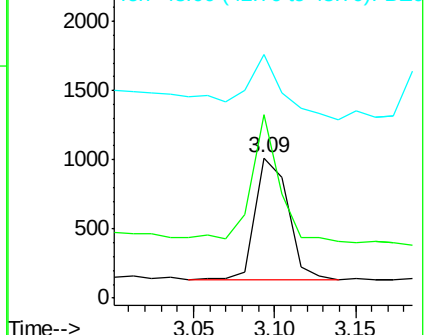
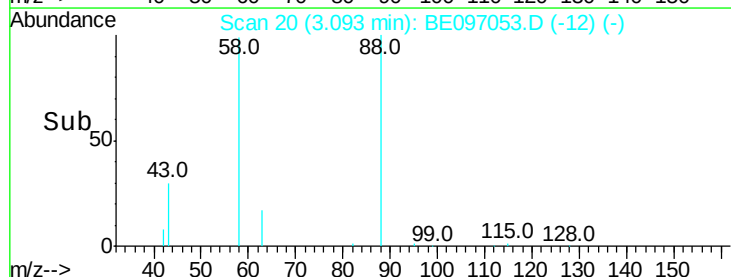
43 56.5 41.2 61.8

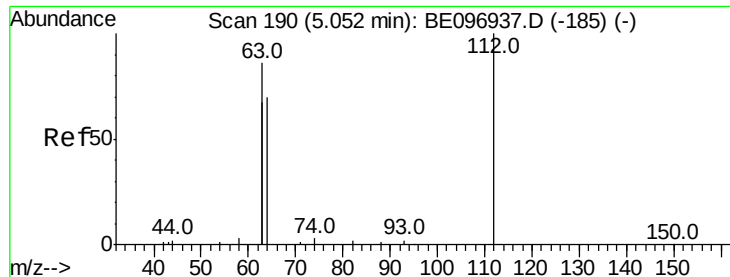


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.262 ng

RT: 5.06 min Scan# 191

Delta R.T. 0.01 min

Lab File: BE097053.D

Acq: 24 Jul 2018 1:59

Instrument :

BNA\_E

ClientSampleId :

RE123D2-071818

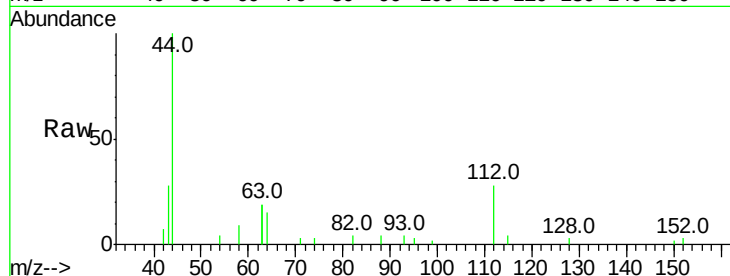
Tot Ion:112 Resp: 877

Ion Ratio Lower Upper

112 100

64 66.1 60.1 90.1

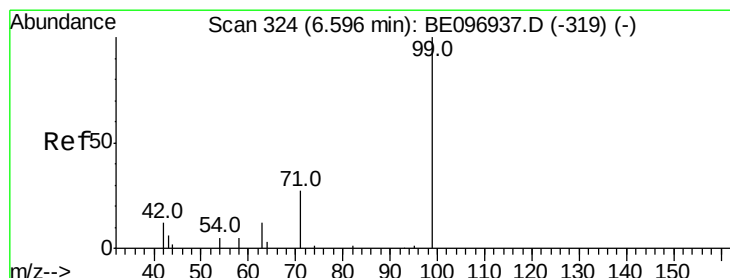
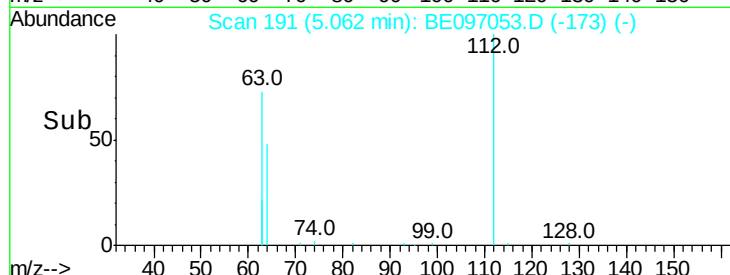
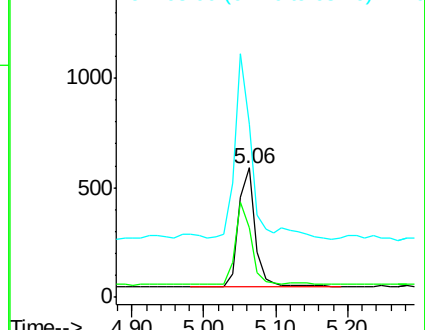
63 142.3 116.8 175.2



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: 0.143 ng

RT: 6.59 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097053.D

Acq: 24 Jul 2018 1:59

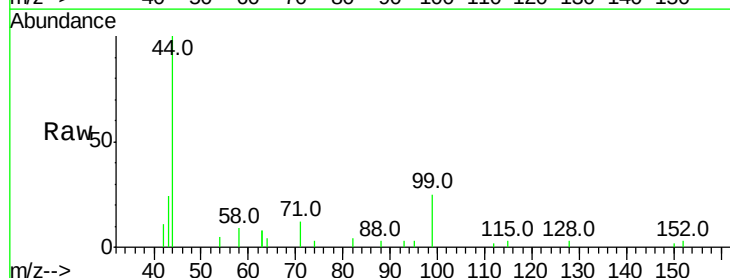
Tgt Ion: 99 Resp: 731

Ion Ratio Lower Upper

99 100

42 34.7 20.2 30.2#

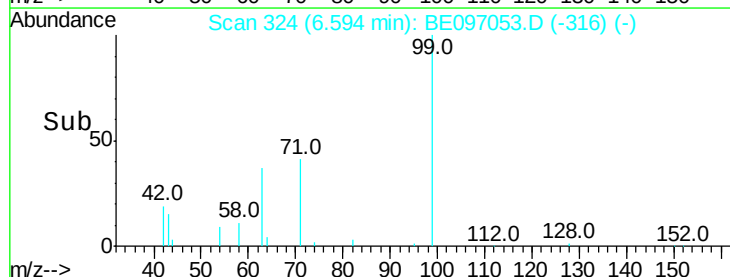
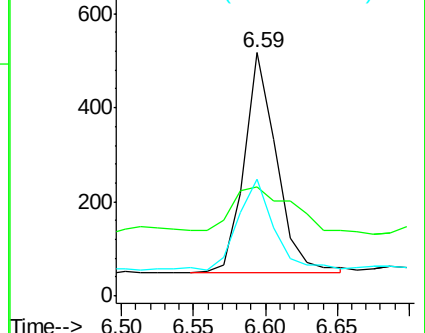
71 44.9 28.4 42.6#

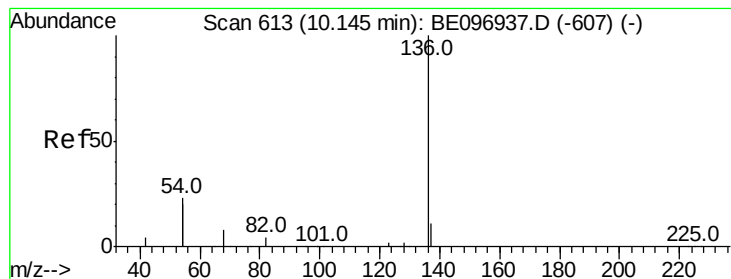


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 614

Delta R.T. 0.00 min

Lab File: BE097053.D

Acq: 24 Jul 2018 1:59

Instrument :

BNA\_E

ClientSampleId :

RE123D2-071818

Tot Ion:136 Resp: 6474

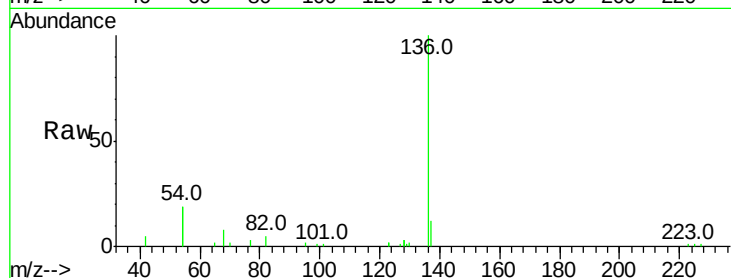
Ion Ratio Lower Upper

136 100

137 12.5 9.5 14.3

54 37.5 29.1 43.7

68 7.8 6.2 9.2

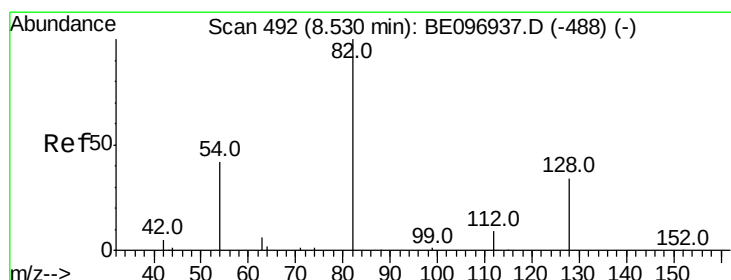
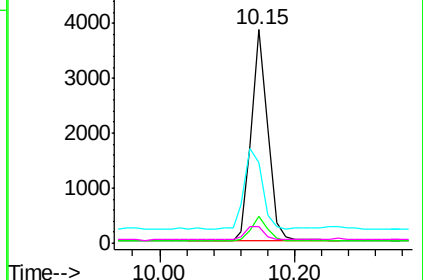
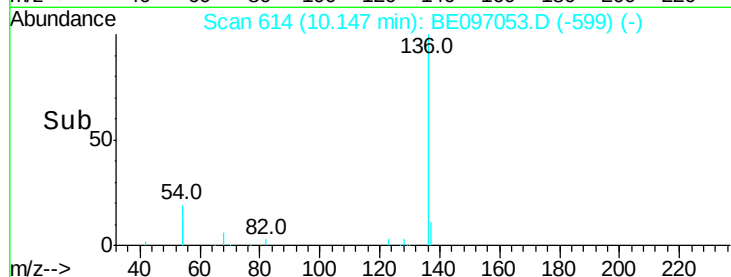


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.579 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE097053.D

Acq: 24 Jul 2018 1:59

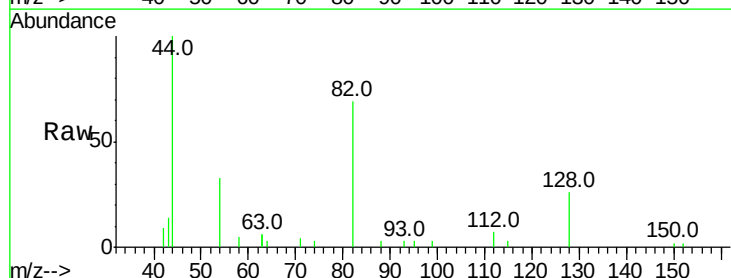
Tgt Ion: 82 Resp: 2735

Ion Ratio Lower Upper

82 100

128 37.6 24.0 36.0#

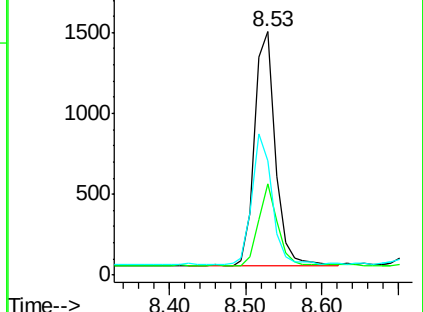
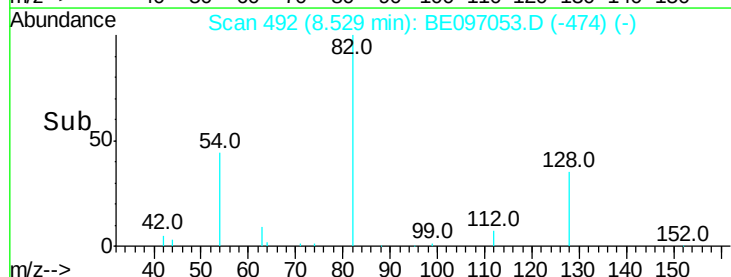
54 47.0 40.0 60.0

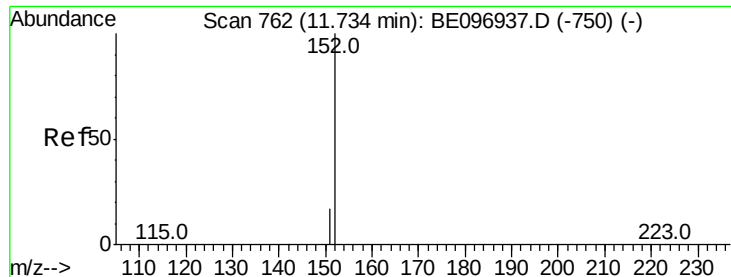


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

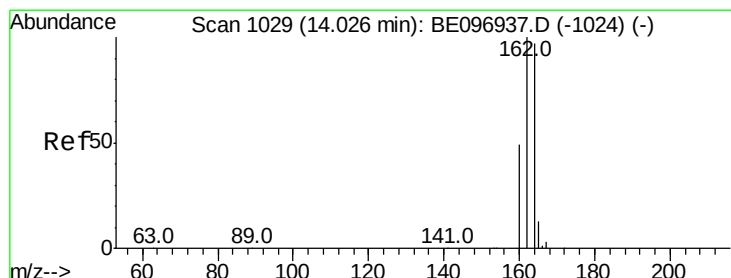
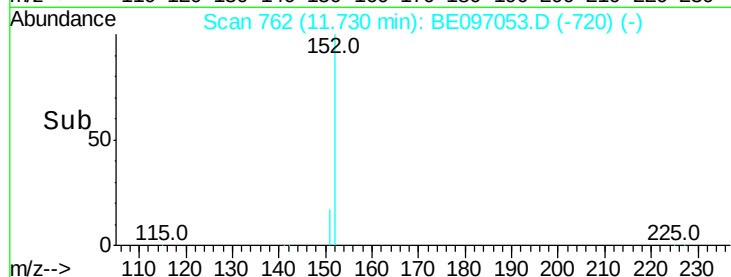
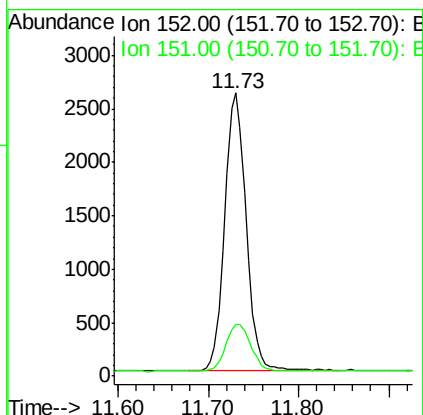
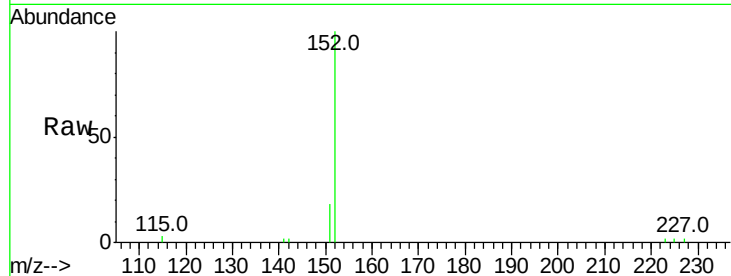




#11  
2-Methylnaphthalene-d10  
Concen: 0.456 ng  
RT: 11.73 min Scan# 762  
Delta R.T. 0.00 min  
Lab File: BE097053.D  
Acq: 24 Jul 2018 1:59

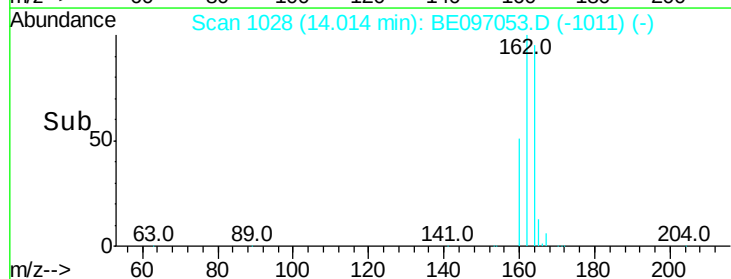
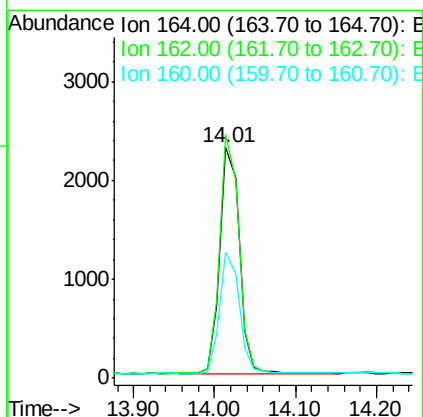
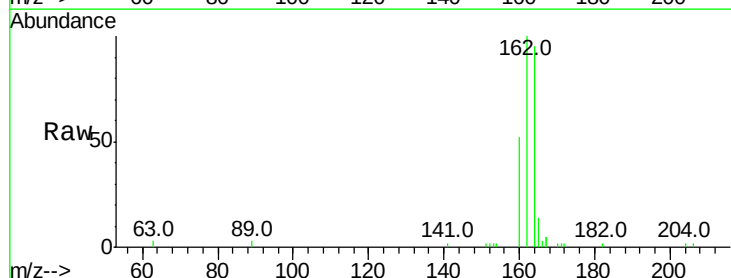
Instrument :  
BNA\_E  
ClientSampleId :  
RE123D2-071818

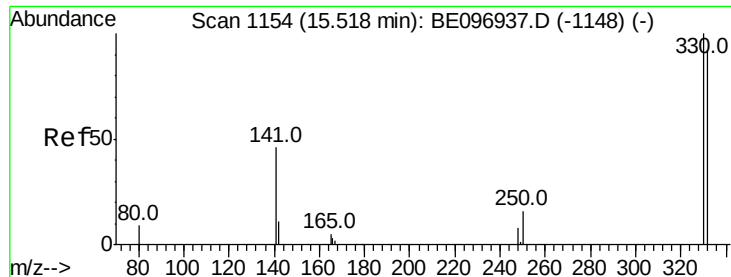
Tot Ion:152 Resp: 4304  
Ion Ratio Lower Upper  
152 100  
151 19.3 15.4 23.0



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.01 min Scan# 1028  
Delta R.T. -0.00 min  
Lab File: BE097053.D  
Acq: 24 Jul 2018 1:59

Tgt Ion:164 Resp: 3834  
Ion Ratio Lower Upper  
164 100  
162 105.6 83.1 124.7  
160 54.7 37.1 55.7

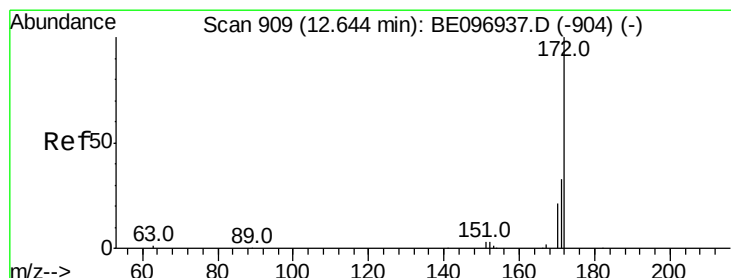
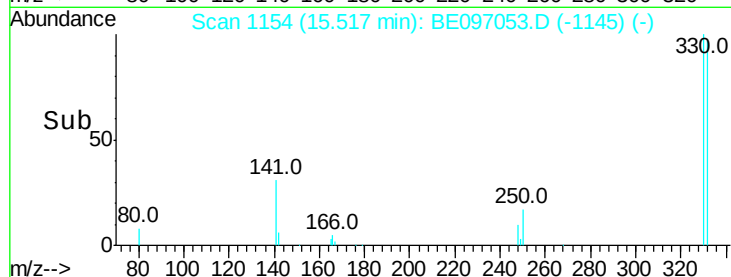
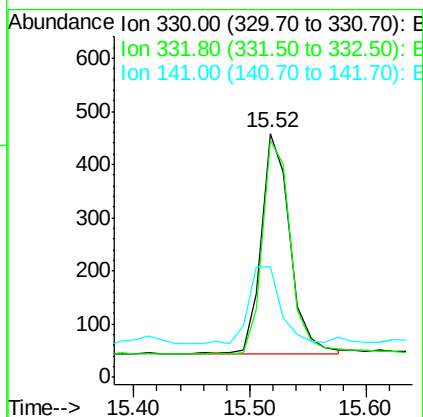
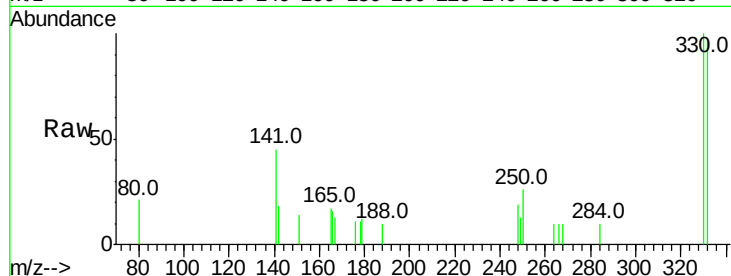




#14  
 2,4,6-Tribromophenol  
 Concen: 0.744 ng  
 RT: 15.52 min Scan# 1154  
 Delta R.T. 0.00 min  
 Lab File: BE097053.D  
 Acq: 24 Jul 2018 1:59

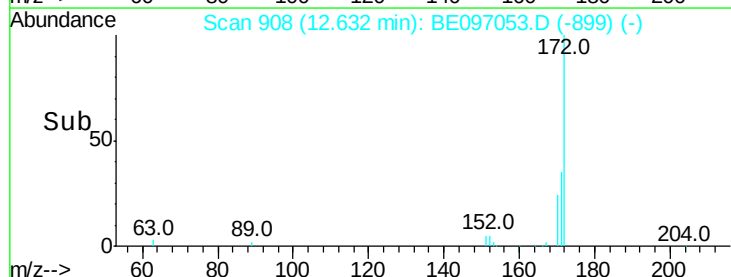
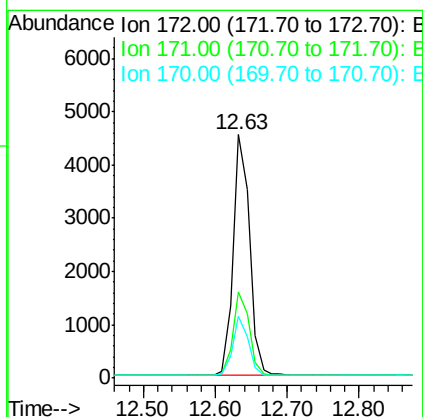
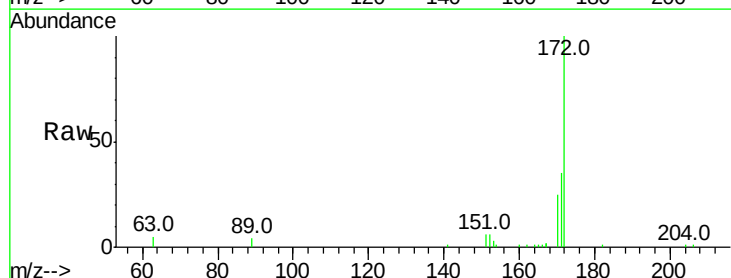
Instrument :  
 BNA\_E  
 ClientSampleId :  
 RE123D2-071818

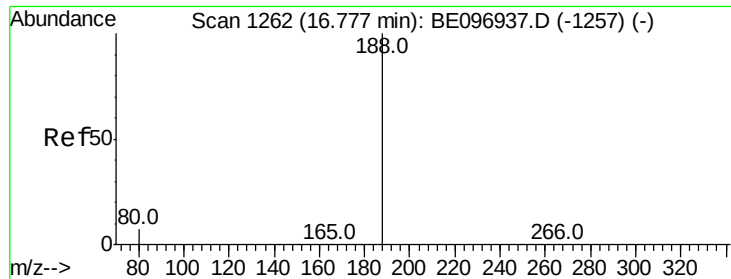
Tot Ion:330 Resp: 704  
 Ion Ratio Lower Upper  
 330 100  
 332 98.0 152.7 229.1#  
 141 38.6 33.7 50.5



#15  
 2-Fluorobiphenyl  
 Concen: 0.505 ng  
 RT: 12.63 min Scan# 908  
 Delta R.T. -0.00 min  
 Lab File: BE097053.D  
 Acq: 24 Jul 2018 1:59

Tgt Ion:172 Resp: 7202  
 Ion Ratio Lower Upper  
 172 100  
 171 35.4 29.9 44.9  
 170 25.2 21.8 32.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.76 min Scan# 1261

Delta R.T. 0.00 min

Lab File: BE097053.D

Acq: 24 Jul 2018 1:59

Instrument :

BNA\_E

ClientSampleId :

RE123D2-071818

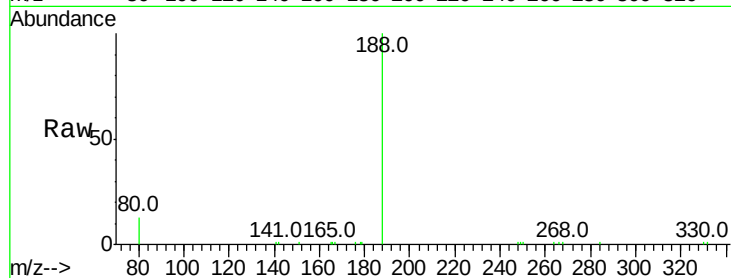
Tot Ion:188 Resp: 11468

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

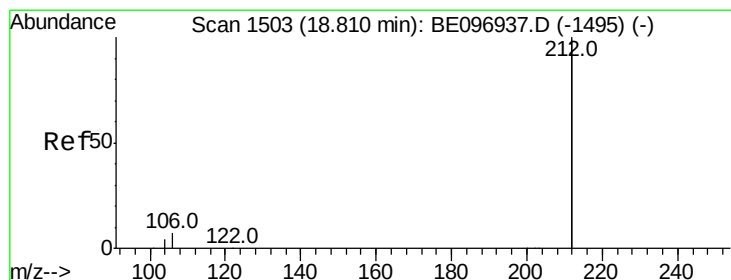
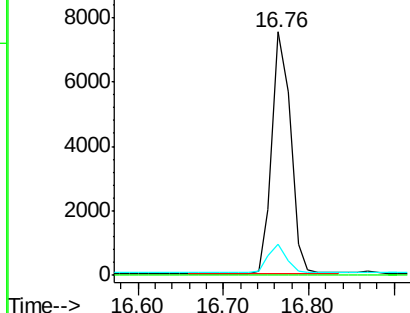
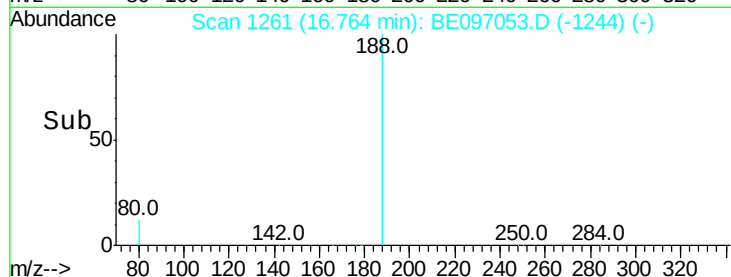
80 12.8 3.6 5.4#



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: 0.668 ng

RT: 18.81 min Scan# 1503

Delta R.T. -0.00 min

Lab File: BE097053.D

Acq: 24 Jul 2018 1:59

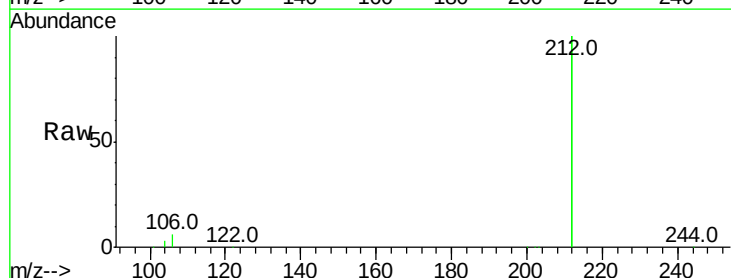
Tgt Ion:212 Resp: 66606

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

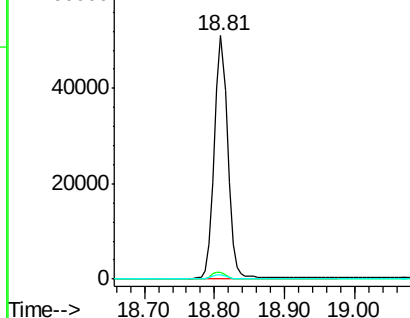
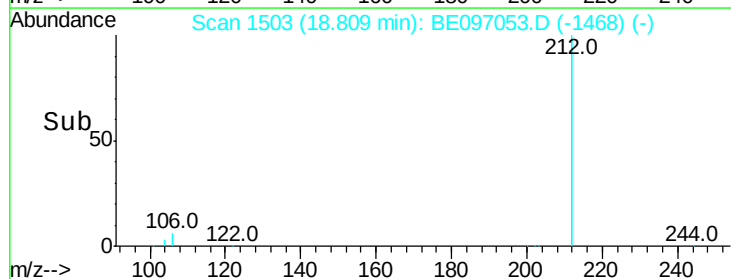
104 1.7 1.6 2.4



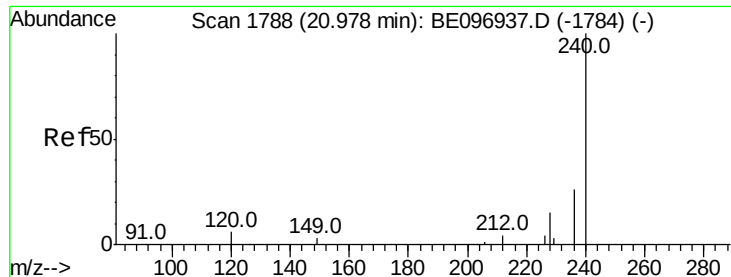
Abundance Ion 212.00 (211.70 to 212.70): E

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# 1788

Delta R.T. 0.00 min

Lab File: BE097053.D

Acq: 24 Jul 2018 1:59

Instrument :

BNA\_E

ClientSampleId :

RE123D2-071818

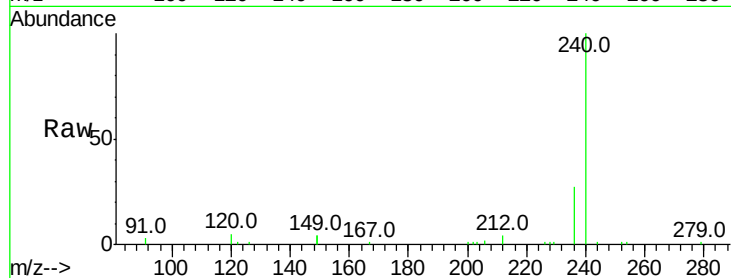
Tot Ion:240 Resp: 12608

Ion Ratio Lower Upper

240 100

120 4.7 5.5 8.3#

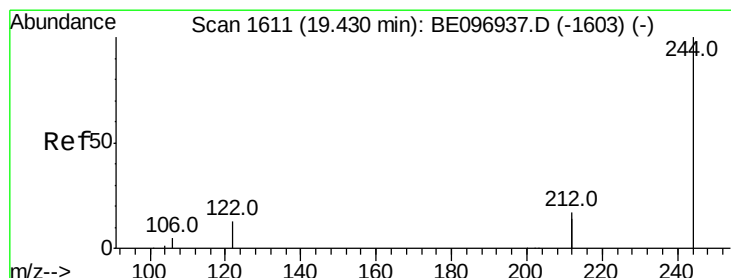
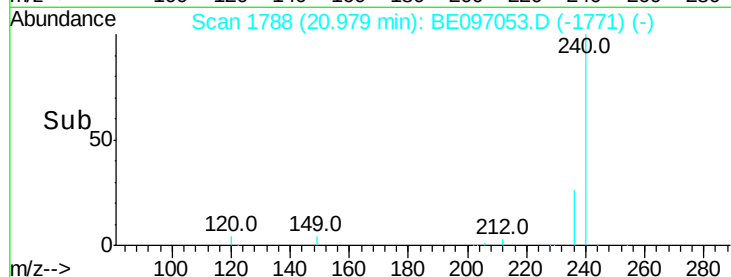
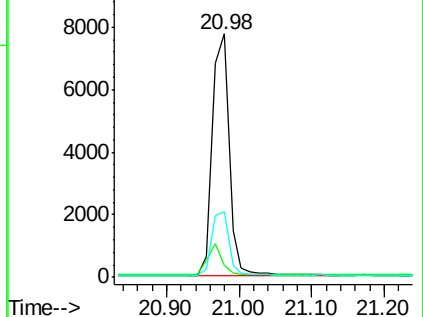
236 26.7 20.7 31.1



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: 0.689 ng

RT: 19.43 min Scan# 1611

Delta R.T. -0.00 min

Lab File: BE097053.D

Acq: 24 Jul 2018 1:59

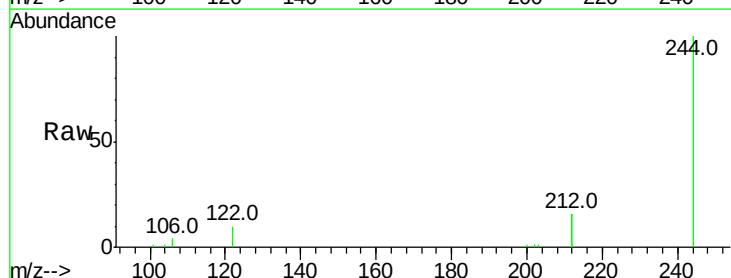
Tgt Ion:244 Resp: 16768

Ion Ratio Lower Upper

244 100

212 31.5 25.4 38.0

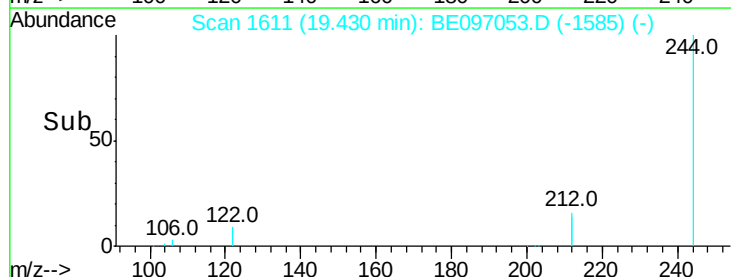
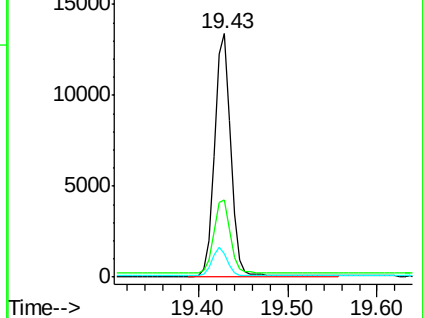
122 9.8 8.1 12.1

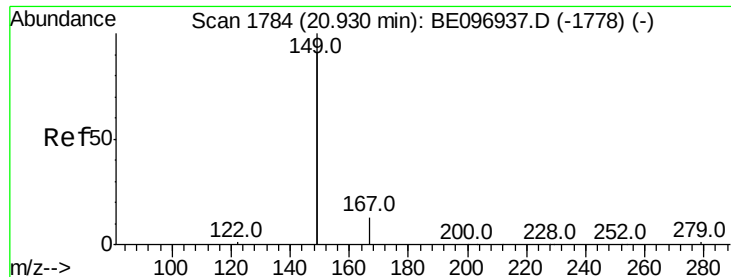


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.300 ng

RT: 20.92 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BE097053.D

Acq: 24 Jul 2018 1:59

Instrument :

BNA\_E

ClientSampleId :

RE123D2-071818

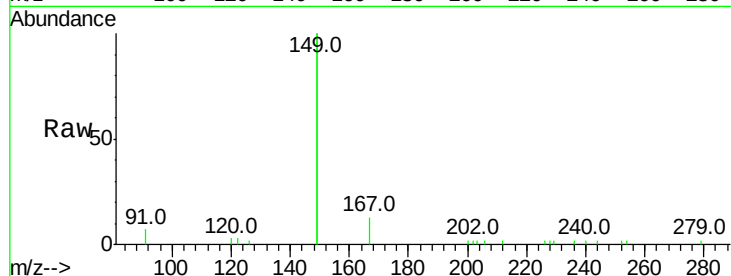
Tot Ion:149 Resp: 8994

Ion Ratio Lower Upper

149 100

167 6.5 5.4 8.0

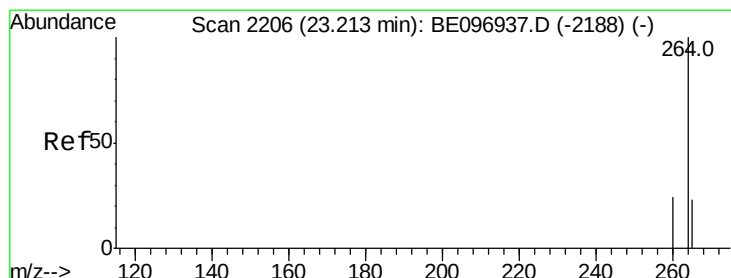
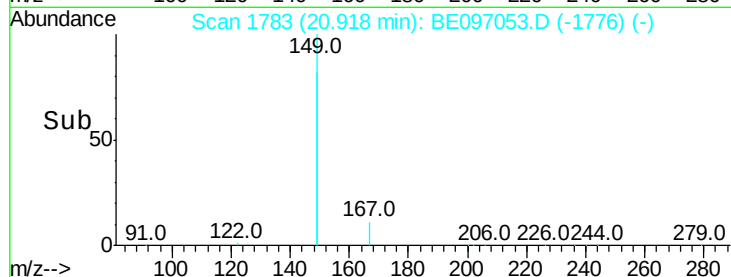
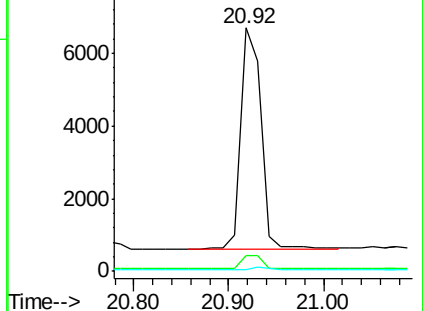
279 0.9 0.7 1.1



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# 2204

Delta R.T. -0.00 min

Lab File: BE097053.D

Acq: 24 Jul 2018 1:59

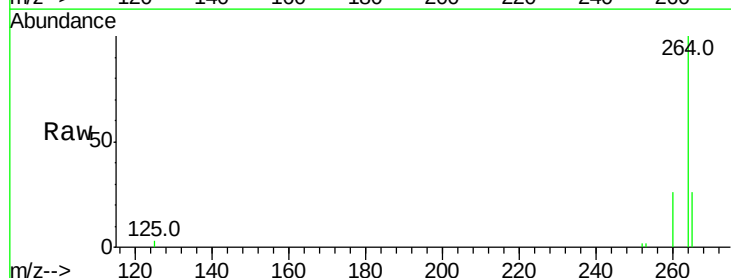
Tgt Ion:264 Resp: 11876

Ion Ratio Lower Upper

264 100

260 26.3 20.5 30.7

265 26.2 22.8 34.2



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

