

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE082018\  
 Data File : BE097342.D  
 Acq On : 20 Aug 2018 21:19  
 Operator : SJ/JU  
 Sample : J4473-03  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 KY038PS033-180813

Quant Time: Aug 21 05:25:48 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE082018.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 20 18:32:10 2018  
 Response via : Initial Calibration

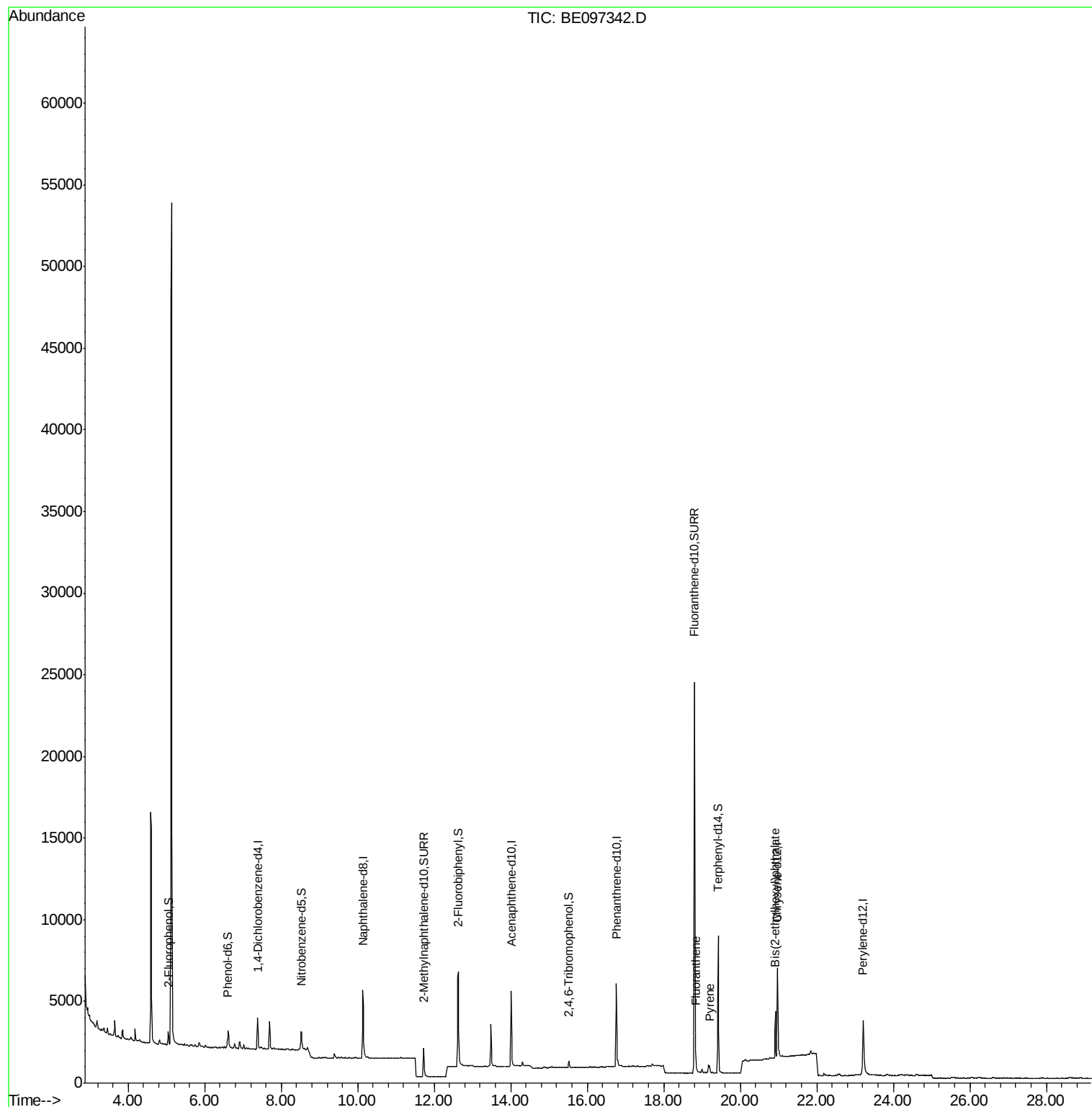
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.39  | 152  | 947      | 0.40  | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.13 | 136  | 4983     | 0.40  | ng    | 0.00     |
| 13) Acenaphthene-d10           | 14.01 | 164  | 2799     | 0.40  | ng    | 0.00     |
| 19) Phenanthrene-d10           | 16.77 | 188  | 7246     | 0.40  | ng    | 0.00     |
| 27) Chrysene-d12               | 20.97 | 240  | 6863     | 0.40  | ng    | -0.01    |
| 34) Perylene-d12               | 23.21 | 264  | 5884     | 0.40  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.05  | 112  | 442      | 0.20  | ng    | 0.00     |
| 5) Phenol-d6                   | 6.59  | 99   | 368      | 0.11  | ng    | 0.00     |
| 8) Nitrobenzene-d5             | 8.52  | 82   | 1236     | 0.58  | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10    | 11.72 | 152  | 2875     | 0.43  | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol       | 15.52 | 330  | 259      | 0.49  | ng    | -0.01    |
| 15) 2-Fluorobiphenyl           | 12.63 | 172  | 6649     | 0.58  | ng    | 0.00     |
| 25) Fluoranthene-d10           | 18.80 | 212  | 32985    | 0.51  | ng    | 0.00     |
| 29) Terphenyl-d14              | 19.42 | 244  | 7575     | 0.55  | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       | Qvalue   |
| 26) Fluoranthene               | 18.84 | 202  | 468      | 0.027 | ng    | 97       |
| 28) Pyrene                     | 19.20 | 202  | 392      | 0.021 | ng    | 97       |
| 32) Bis(2-ethylhexyl)phthalate | 20.92 | 149  | 3420     | 0.408 | ng    | 99       |

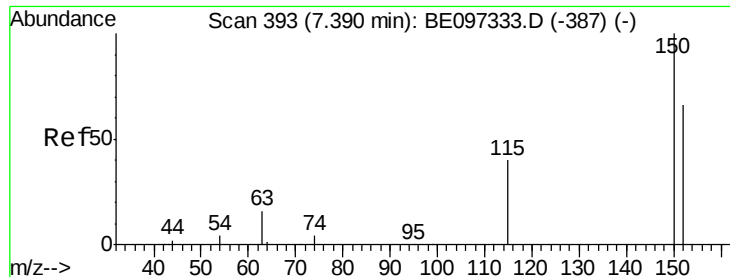
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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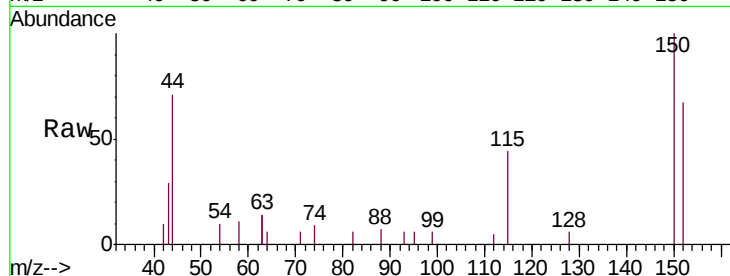


#1

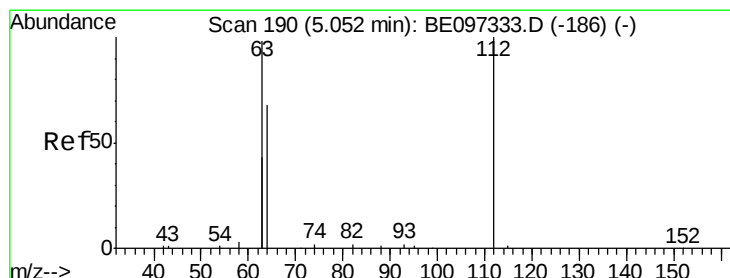
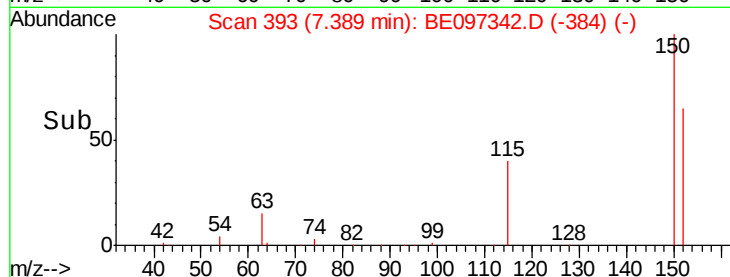
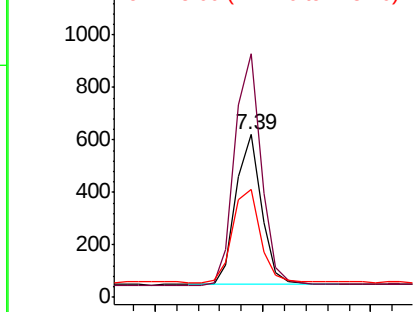
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.39 min Scan# 393  
Delta R.T. -0.00 min  
Lab File: BE097342.D  
Acq: 20 Aug 2018 21:19

Instrument :  
BNA\_E  
ClientSampleId :  
KY038PS033-180813

Tgt Ion:152 Resp: 947  
Ion Ratio Lower Upper  
152 100  
150 149.7 117.2 175.8  
115 66.0 57.0 85.6



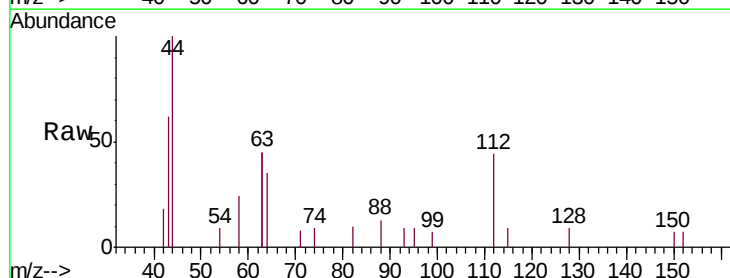
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



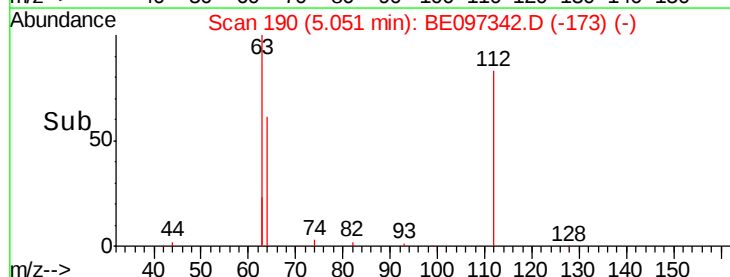
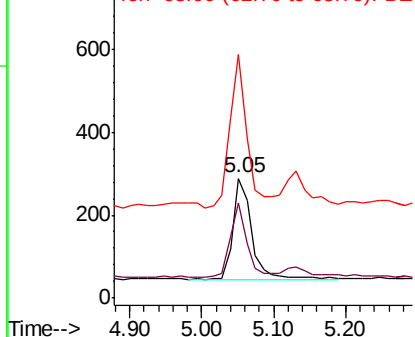
#4

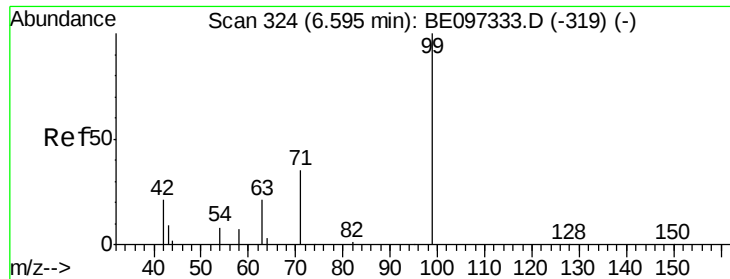
2-Fluorophenol  
Concen: 0.204 ng  
RT: 5.05 min Scan# 190  
Delta R.T. -0.00 min  
Lab File: BE097342.D  
Acq: 20 Aug 2018 21:19

Tgt Ion:112 Resp: 442  
Ion Ratio Lower Upper  
112 100  
64 65.8 60.1 90.1  
63 134.4 116.8 175.2



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BE0  
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.114 ng

RT: 6.59 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097342.D

Acq: 20 Aug 2018 21:19

Instrument :

BNA\_E

ClientSampleId :

KY038PS033-180813

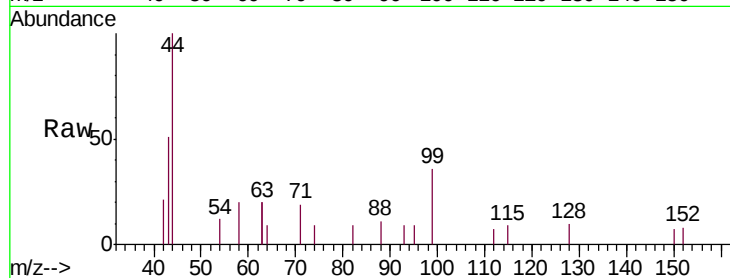
Tgt Ion: 99 Resp: 368

Ion Ratio Lower Upper

99 100

42 35.1 20.2 30.2#

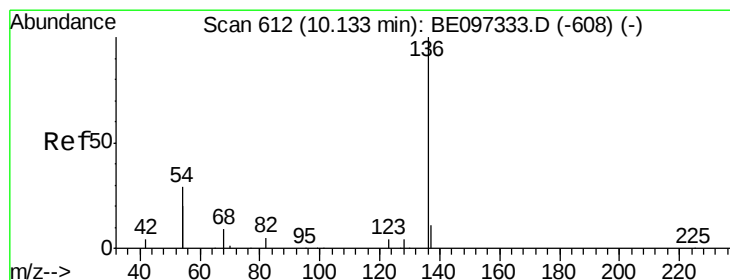
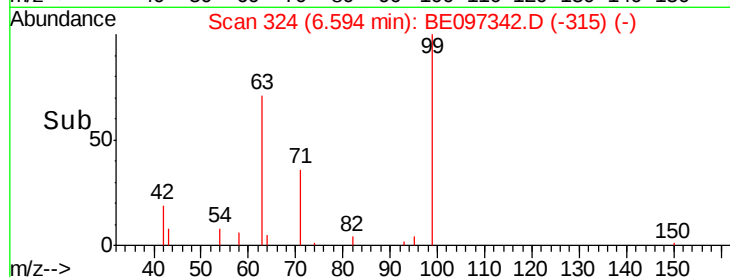
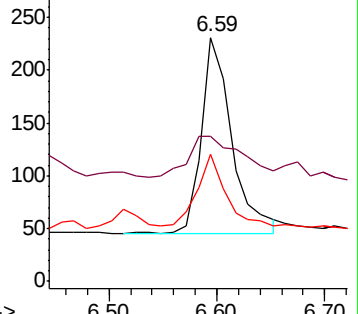
71 34.0 28.4 42.6



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: 10.13 min Scan# 612

Delta R.T. 0.00 min

Lab File: BE097342.D

Acq: 20 Aug 2018 21:19

Tgt Ion: 136 Resp: 4983

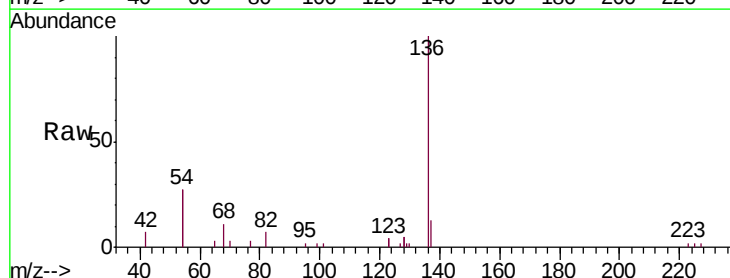
Ion Ratio Lower Upper

136 100

137 12.7 9.5 14.3

54 53.1 29.1 43.7#

68 10.8 6.2 9.2#

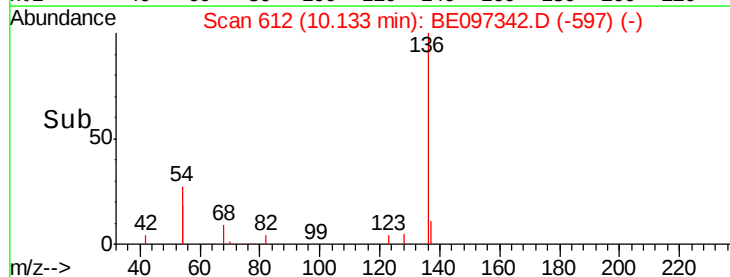
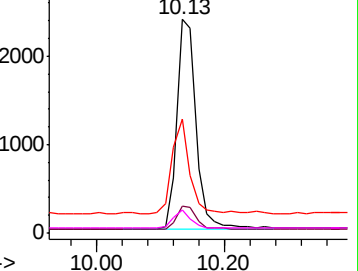


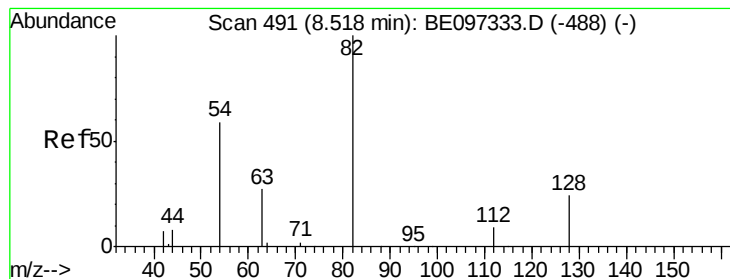
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.580 ng

RT: 8.52 min Scan# 491

Delta R.T. -0.00 min

Lab File: BE097342.D

Acq: 20 Aug 2018 21:19

Instrument :

BNA\_E

ClientSampleId :

KY038PS033-180813

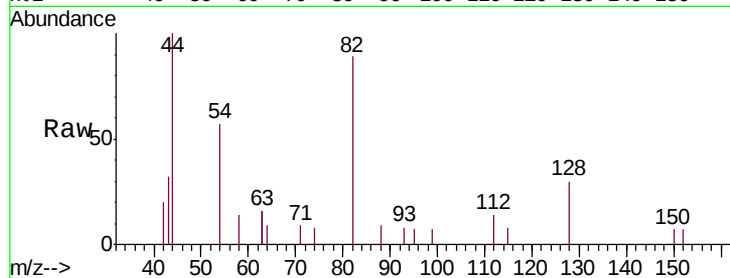
Tgt Ion: 82 Resp: 1236

Ion Ratio Lower Upper

82 100

128 33.9 24.0 36.0

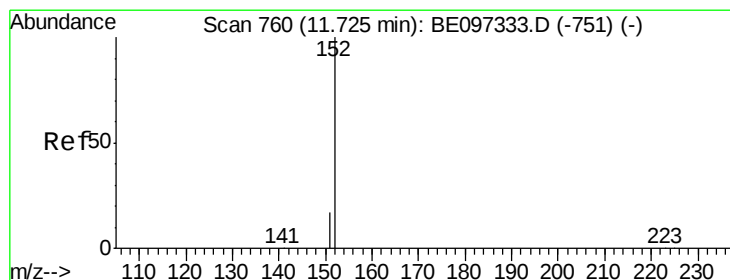
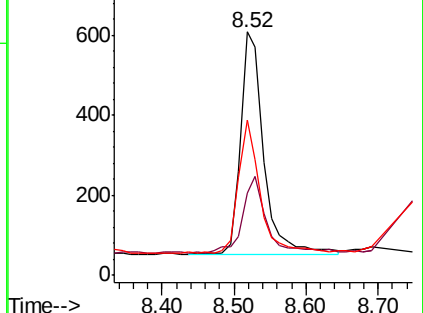
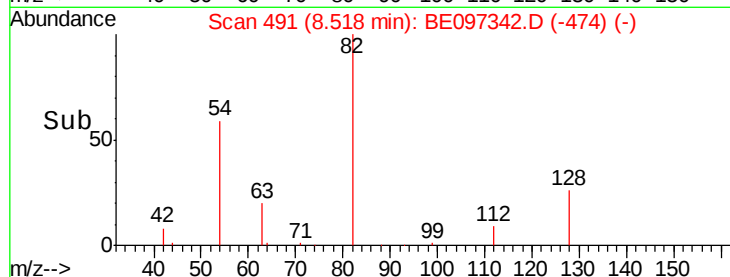
54 63.8 40.0 60.0#



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#11

2-Methylnaphthalene-d10

Concen: 0.427 ng

RT: 11.72 min Scan# 760

Delta R.T. -0.00 min

Lab File: BE097342.D

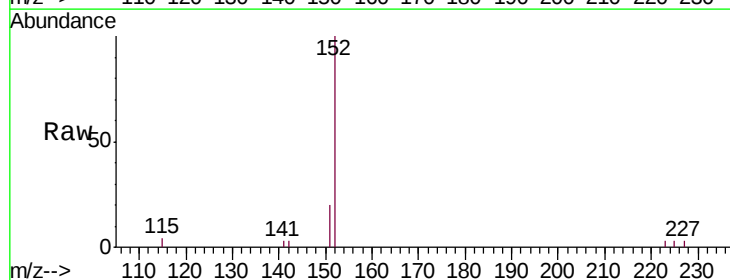
Acq: 20 Aug 2018 21:19

Tgt Ion: 152 Resp: 2875

Ion Ratio Lower Upper

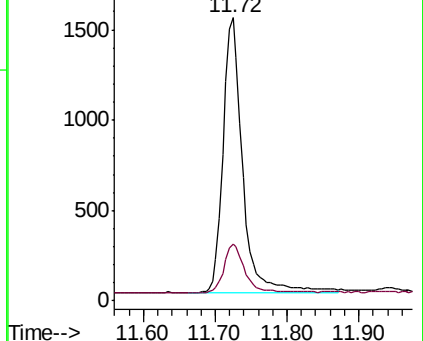
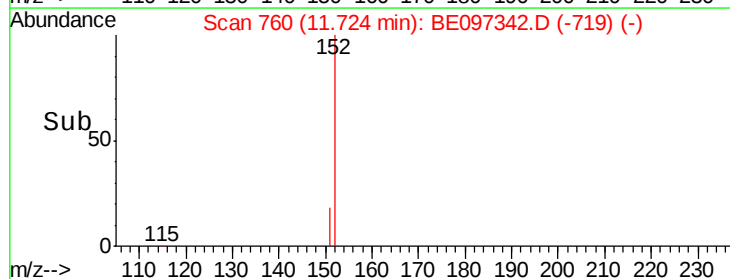
152 100

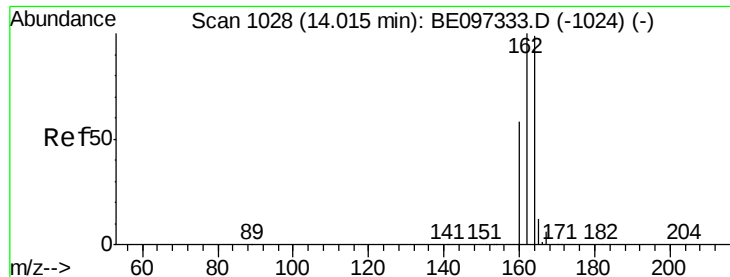
151 18.5 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BE097342.D

Acq: 20 Aug 2018 21:19

Instrument :

BNA\_E

ClientSampleId :

KY038PS033-180813

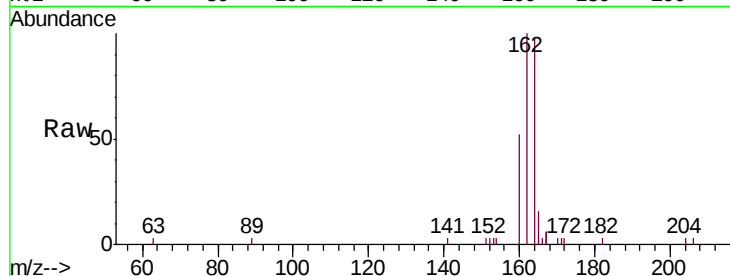
Tgt Ion:164 Resp: 2799

Ion Ratio Lower Upper

164 100

162 101.7 83.1 124.7

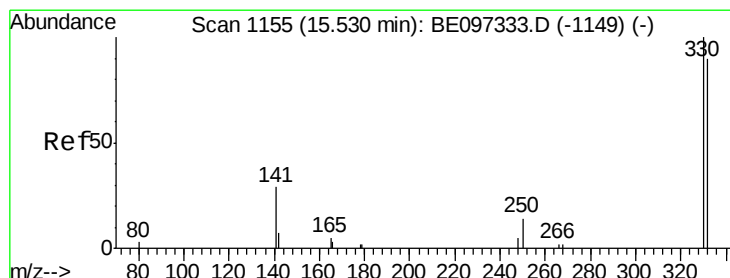
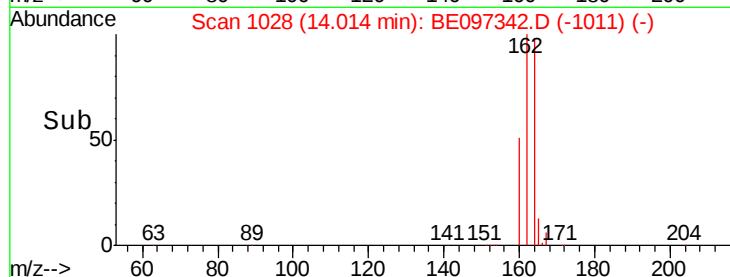
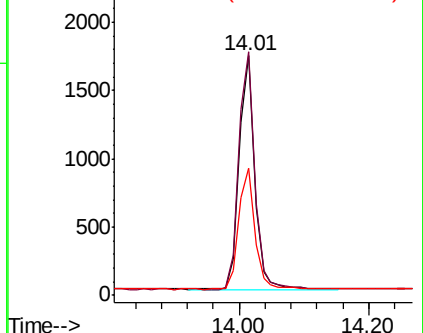
160 52.9 37.1 55.7



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: 0.494 ng

RT: 15.52 min Scan# 1154

Delta R.T. -0.01 min

Lab File: BE097342.D

Acq: 20 Aug 2018 21:19

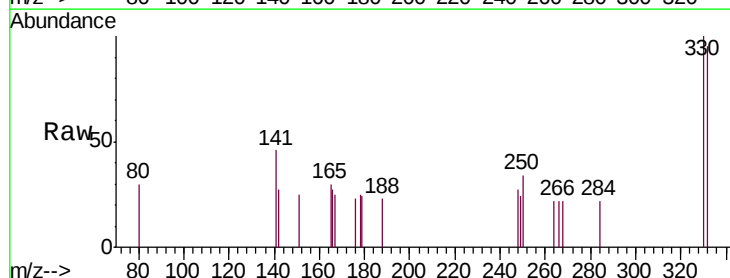
Tgt Ion:330 Resp: 259

Ion Ratio Lower Upper

330 100

332 98.5 152.7 229.1#

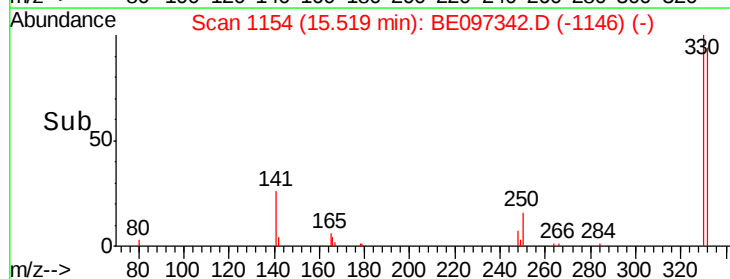
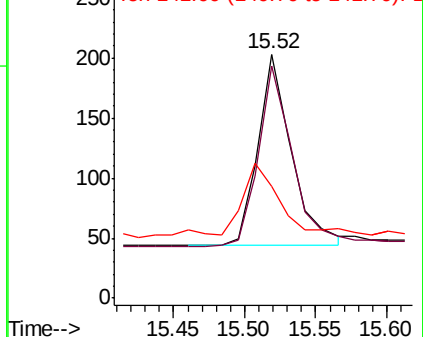
141 41.7 33.7 50.5

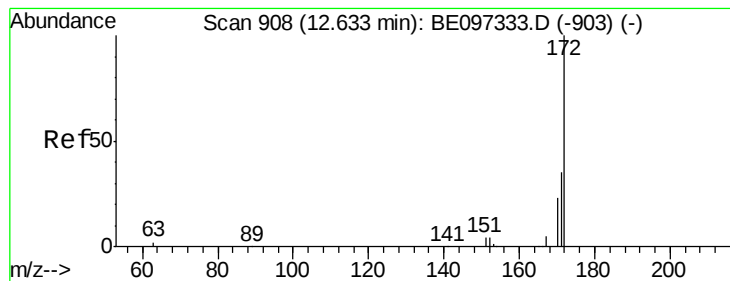


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.579 ng

RT: 12.63 min Scan# 908

Delta R.T. -0.00 min

Lab File: BE097342.D

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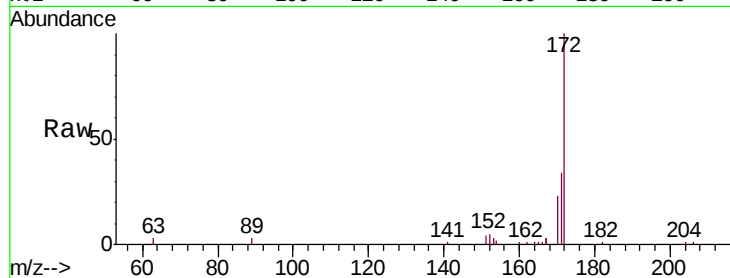
Tgt Ion:172 Resp: 6649

Ion Ratio Lower Upper

172 100

171 34.4 29.9 44.9

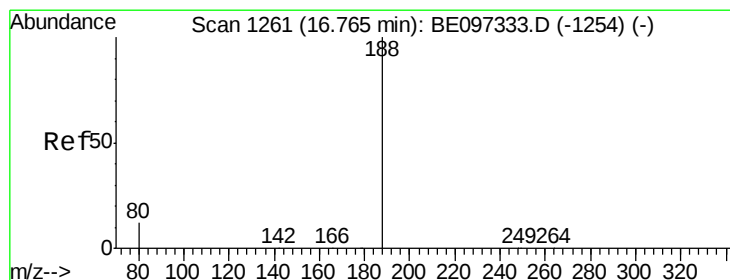
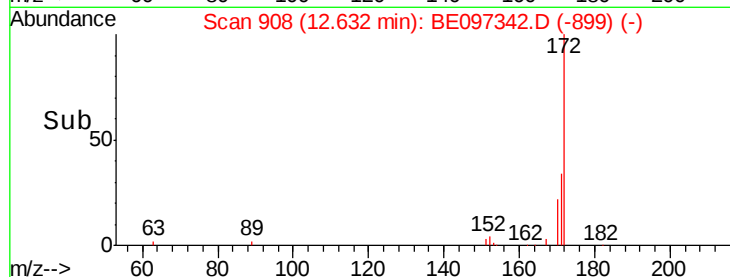
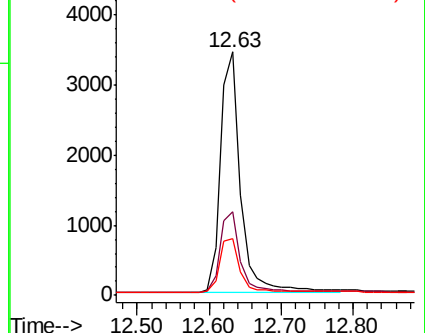
170 23.2 21.8 32.8



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# 1261

Delta R.T. 0.00 min

Lab File: BE097342.D

Acq: 20 Aug 2018 21:19

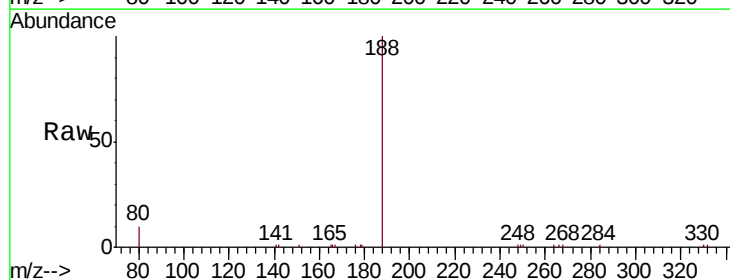
Tgt Ion:188 Resp: 7246

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

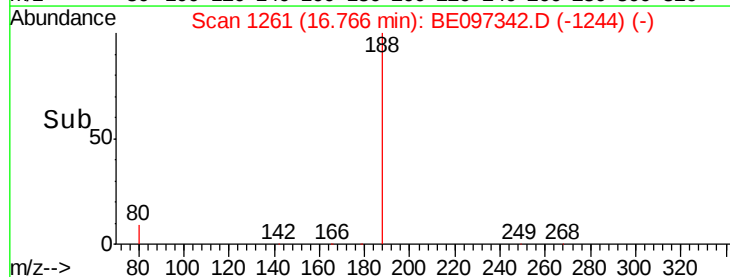
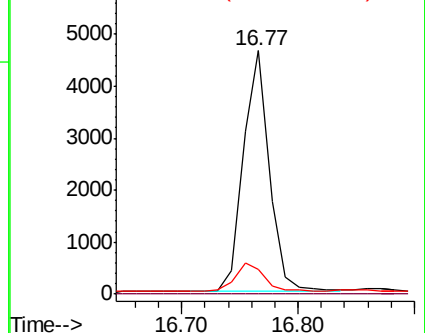
80 10.1 3.6 5.4#

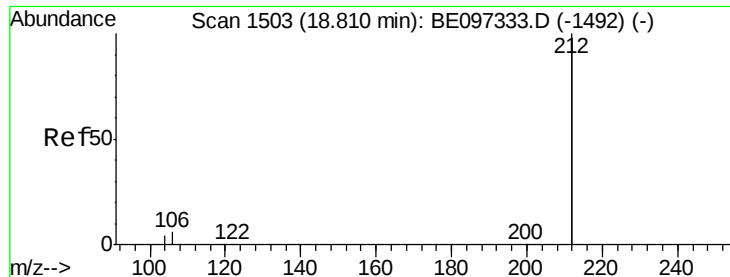


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#25

Fluoranthene-d10

Concen: 0.510 ng

RT: 18.80 min Scan# 1501

Delta R.T. -0.01 min

Lab File: BE097342.D

Acq: 20 Aug 2018 21:19

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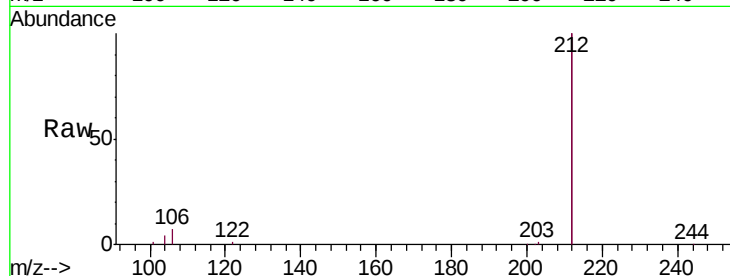
Tgt Ion:212 Resp: 32985

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

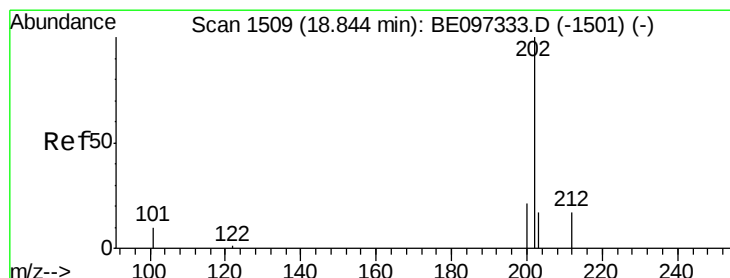
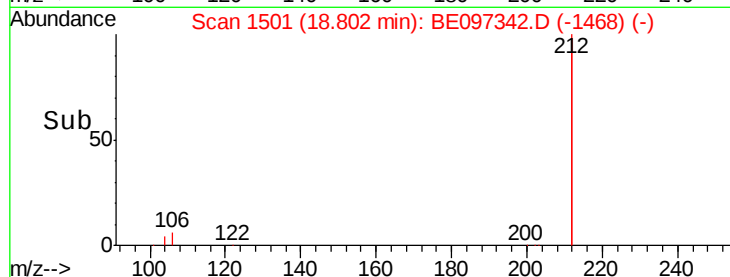
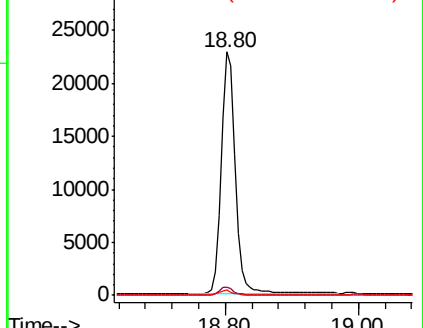
104 1.8 1.6 2.4



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



#26

Fluoranthene

Concen: 0.027 ng

RT: 18.84 min Scan# 1507

Delta R.T. -0.01 min

Lab File: BE097342.D

Acq: 20 Aug 2018 21:19

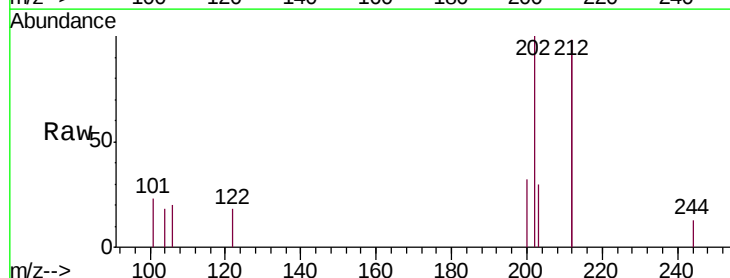
Tgt Ion:202 Resp: 468

Ion Ratio Lower Upper

202 100

101 10.0 9.8 14.8

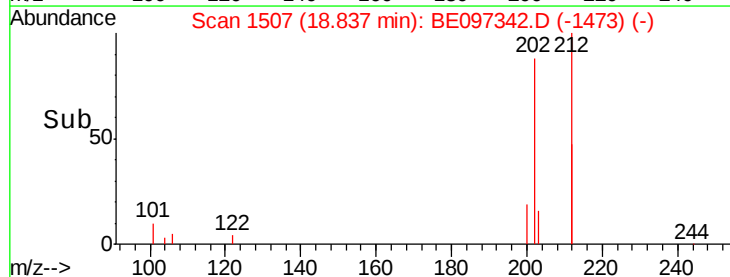
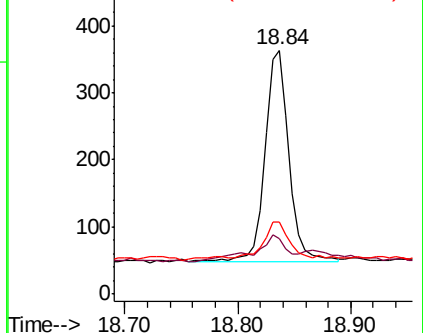
203 17.7 13.7 20.5

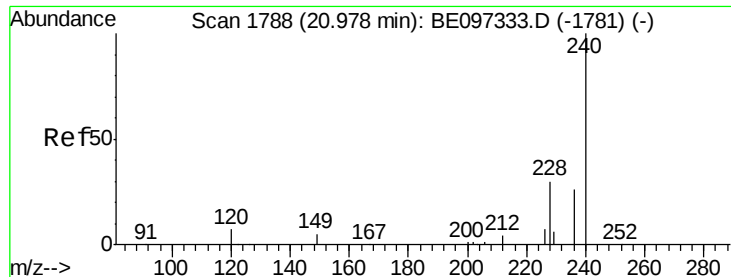


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.97 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BE097342.D

Acq: 20 Aug 2018 21:19

Instrument :

BNA\_E

ClientSampleId :

KY038PS033-180813

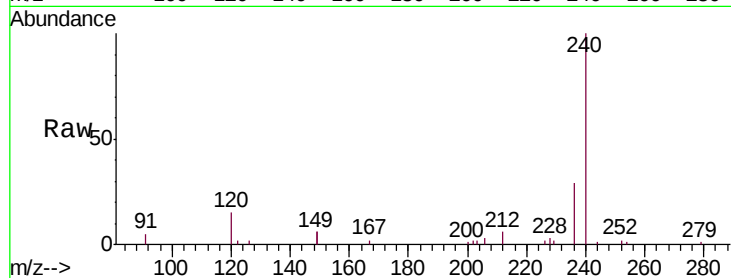
Tgt Ion:240 Resp: 6863

Ion Ratio Lower Upper

240 100

120 14.6 5.5 8.3#

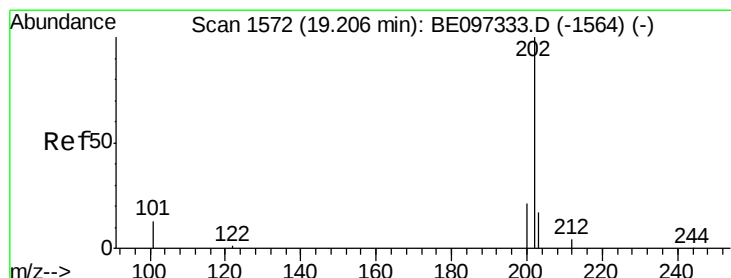
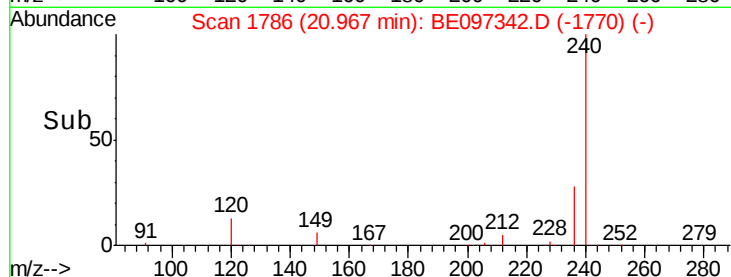
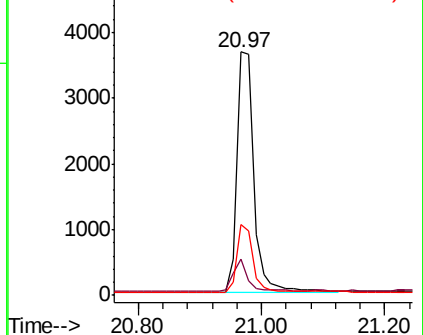
236 28.9 20.7 31.1



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



#28

Pyrene

Concen: 0.021 ng

RT: 19.20 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BE097342.D

Acq: 20 Aug 2018 21:19

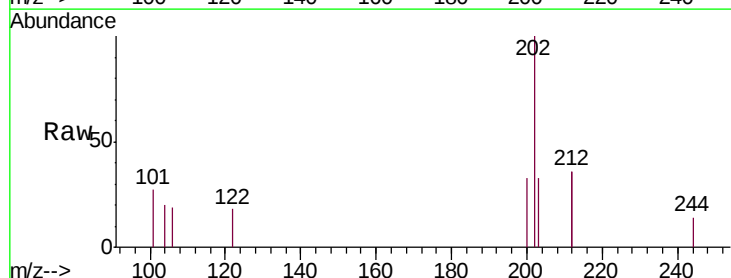
Tgt Ion:202 Resp: 392

Ion Ratio Lower Upper

202 100

200 21.2 16.6 25.0

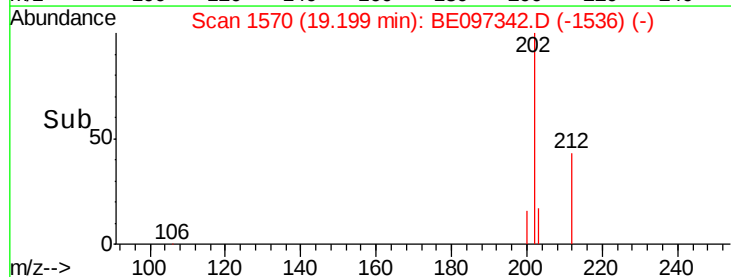
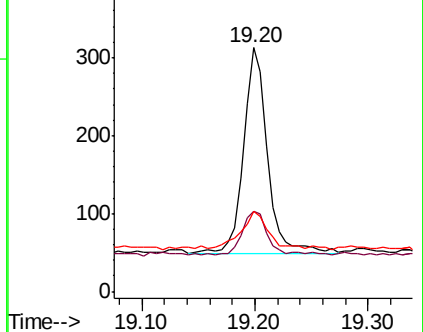
203 20.2 13.8 20.8

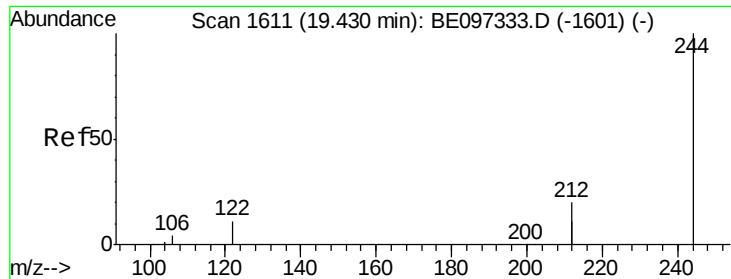


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.551 ng

RT: 19.42 min Scan# 1609

Delta R.T. -0.01 min

Lab File: BE097342.D

Acq: 20 Aug 2018 21:19

Instrument :

BNA\_E

ClientSampleId :

KY038PS033-180813

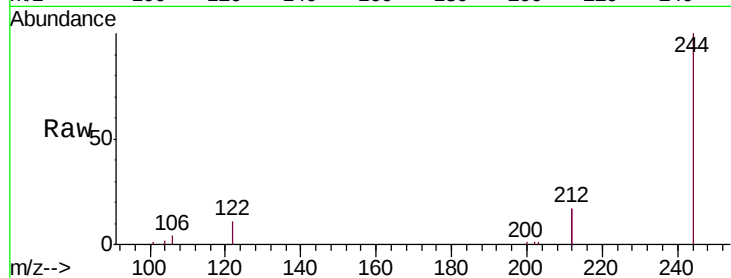
Tgt Ion:244 Resp: 7575

Ion Ratio Lower Upper

244 100

212 33.1 25.4 38.0

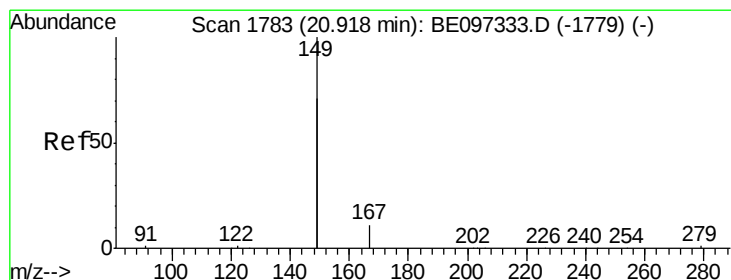
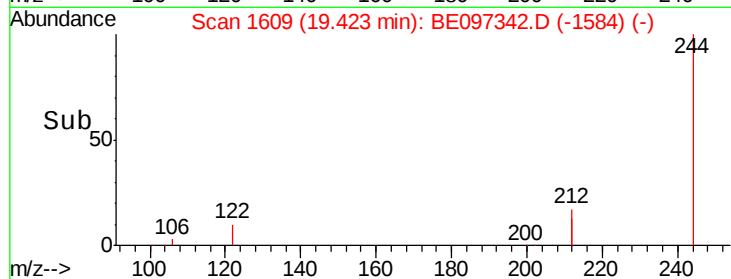
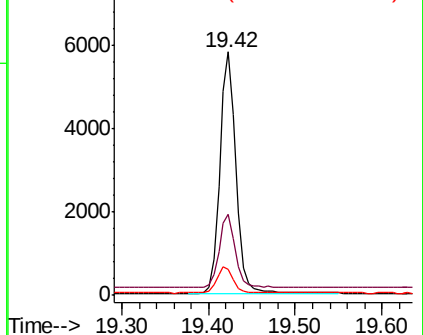
122 10.9 8.1 12.1



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: 0.408 ng

RT: 20.92 min Scan# 1782

Delta R.T. 0.00 min

Lab File: BE097342.D

Acq: 20 Aug 2018 21:19

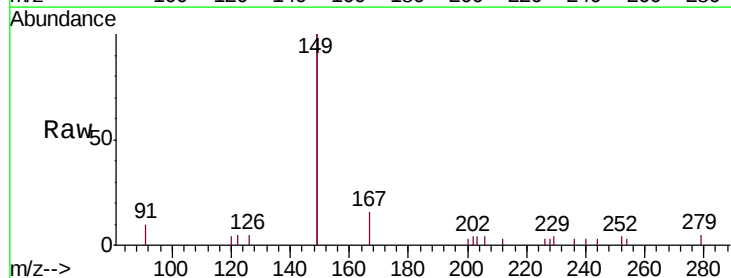
Tgt Ion:149 Resp: 3420

Ion Ratio Lower Upper

149 100

167 6.3 5.4 8.0

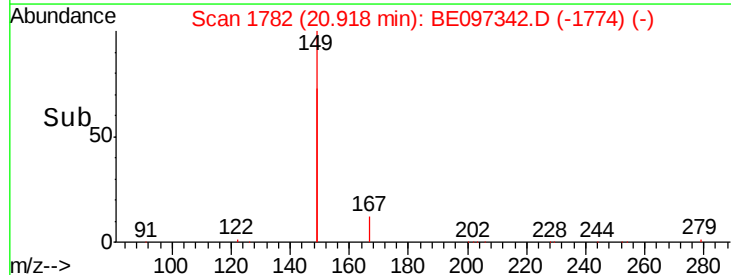
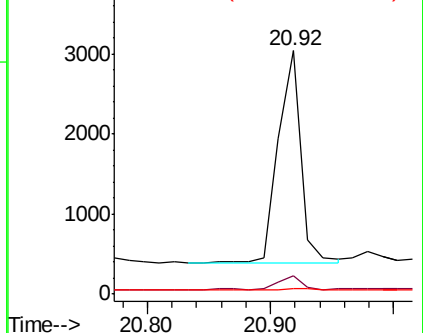
279 0.9 0.7 1.1

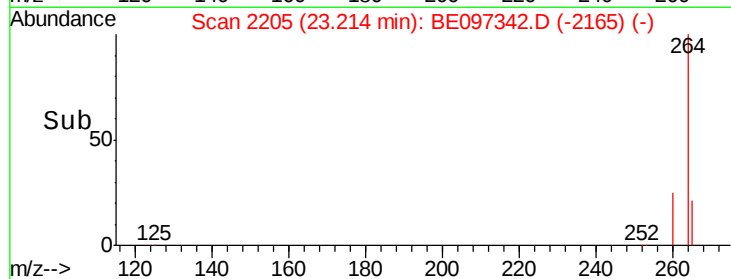
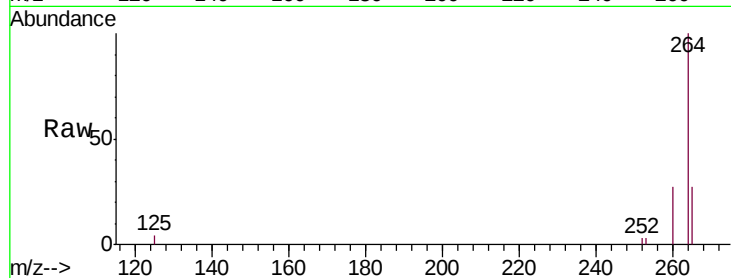
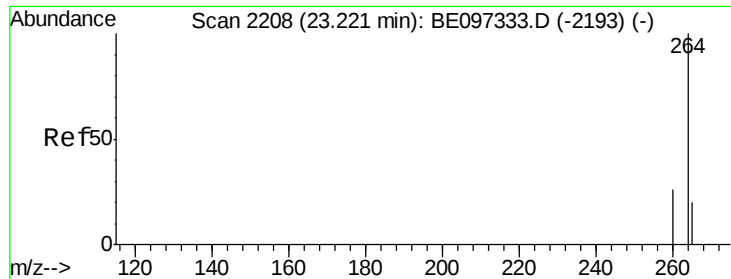


Abundance Ion 149.00 (148.70 to 149.70): E

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# 2205

Delta R.T. -0.01 min

Lab File: BE097342.D

Acq: 20 Aug 2018 21:19

Instrument :

BNA\_E

ClientSampleId :

KY038PS033-180813

Tgt Ion: 264 Resp: 5884

Ion Ratio Lower Upper

264 100

260 26.5 20.5 30.7

265 27.3 22.8 34.2

