

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091718\  
 Data File : BE097524.D  
 Acq On : 18 Sep 2018 9:21  
 Operator : SJ/JU  
 Sample : J4913-03  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 BPS1-TT-MW305I-20180911

Quant Time: Sep 18 10:47:08 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE091718.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 17 18:57:11 2018  
 Response via : Initial Calibration

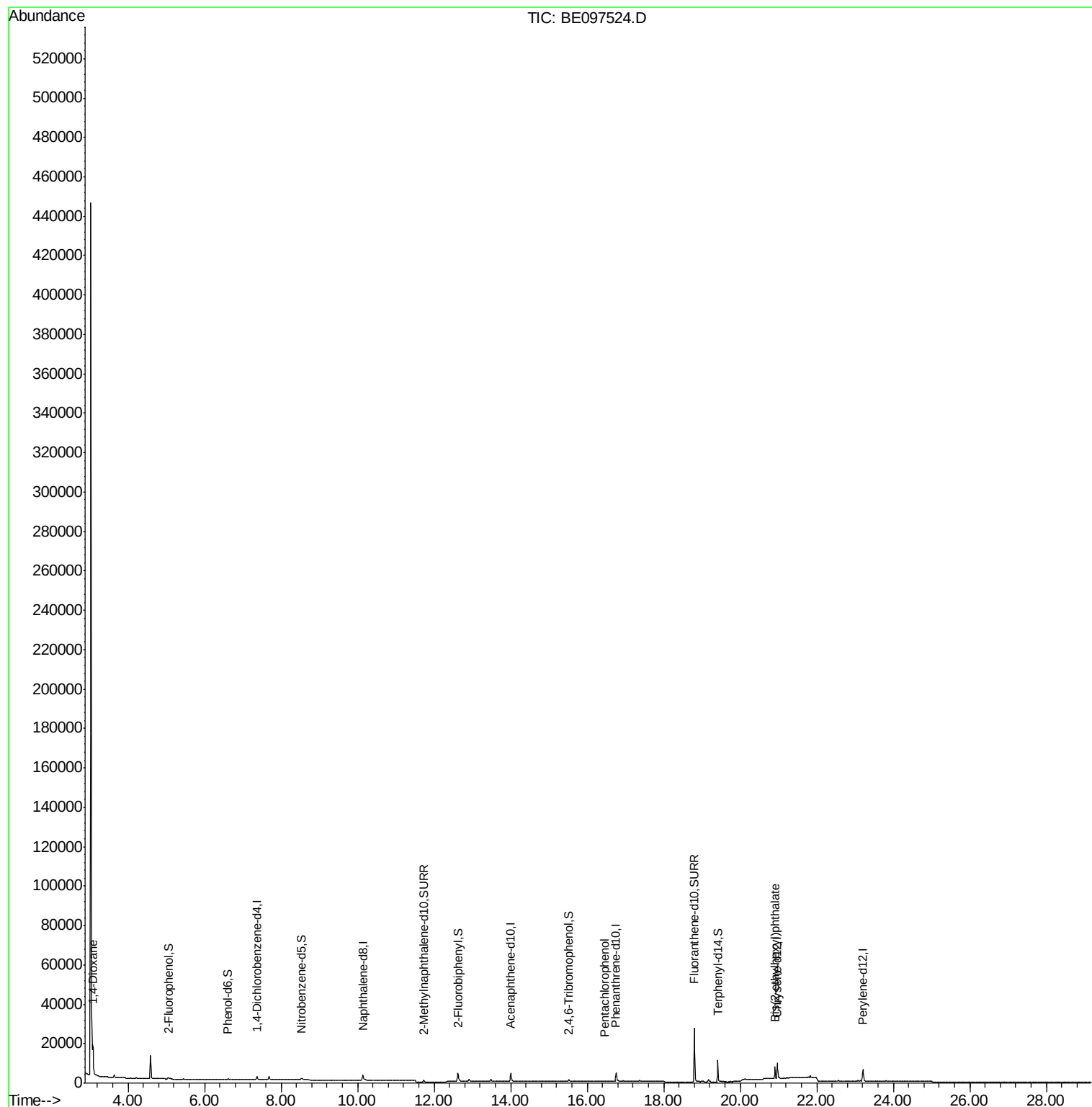
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.38  | 152  | 912      | 0.40  | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.13 | 136  | 4236     | 0.40  | ng    | 0.00     |
| 13) Acenaphthene-d10           | 14.00 | 164  | 2573     | 0.40  | ng    | 0.00     |
| 19) Phenanthrene-d10           | 16.75 | 188  | 7487     | 0.40  | ng    | -0.01    |
| 27) Chrysene-d12               | 20.97 | 240  | 8947     | 0.40  | ng    | 0.00     |
| 34) Perylene-d12               | 23.21 | 264  | 9015     | 0.40  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.05  | 112  | 586      | 0.19  | ng    | 0.00     |
| 5) Phenol-d6                   | 6.61  | 99   | 415      | 0.11  | ng    | 0.00     |
| 8) Nitrobenzene-d5             | 8.53  | 82   | 1423     | 0.42  | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10    | 11.72 | 152  | 2618     | 0.43  | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol       | 15.52 | 330  | 563      | 0.41  | ng    | -0.01    |
| 15) 2-Fluorobiphenyl           | 12.62 | 172  | 5344     | 0.59  | ng    | 0.00     |
| 25) Fluoranthene-d10           | 18.80 | 212  | 39731    | 0.44  | ng    | 0.00     |
| 29) Terphenyl-d14              | 19.41 | 244  | 9827     | 0.57  | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 2) 1,4-Dioxane                 | 3.08  | 88   | 7425     | 4.708 | ng    | # 94     |
| 22) Pentachlorophenol          | 16.45 | 266  | 12       | 0.065 | ng    | # 96     |
| 32) Bis(2-ethylhexyl)phthalate | 20.91 | 149  | 6297     | 0.126 | ng    | # 100    |

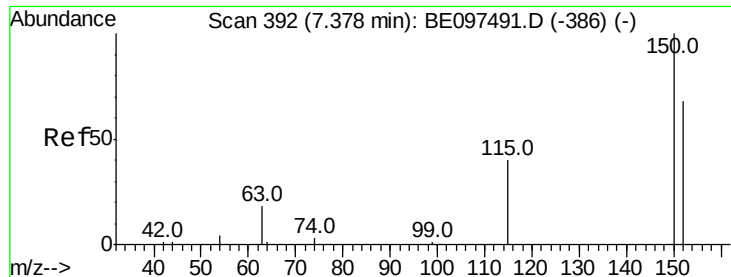
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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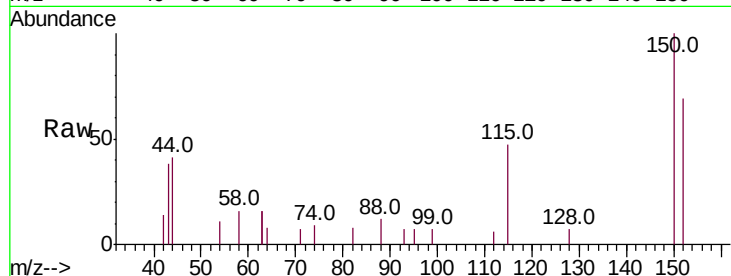


#1

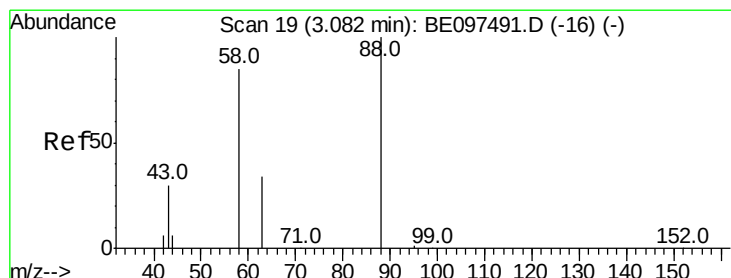
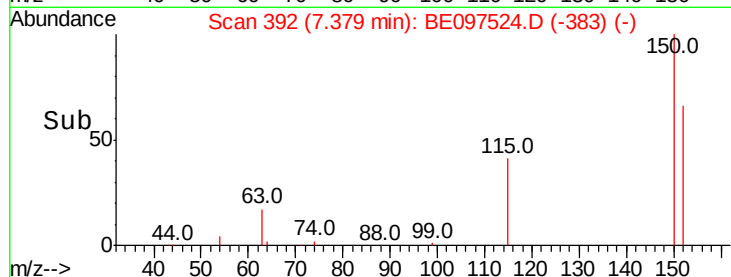
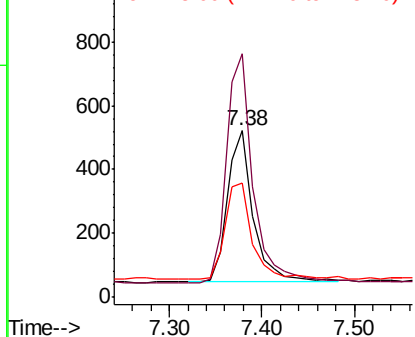
1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.38 min Scan# 392  
 Delta R.T. 0.00 min  
 Lab File: BE097524.D  
 Acq: 18 Sep 2018 9:21

Instrument :  
 BNA\_E  
 ClientSampleId :  
 BPS1-TT-MW305I-20180911

Tot Ion:152 Resp: 912  
 Ion Ratio Lower Upper  
 152 100  
 150 146.0 117.2 175.8  
 115 68.2 57.0 85.6



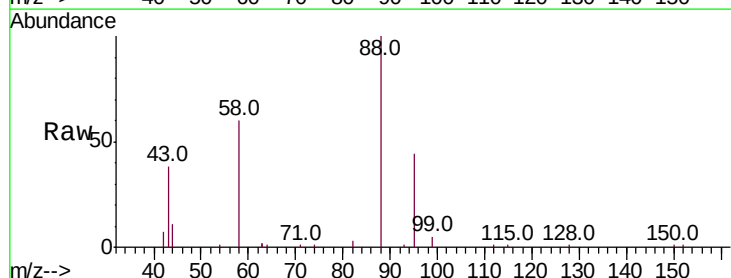
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



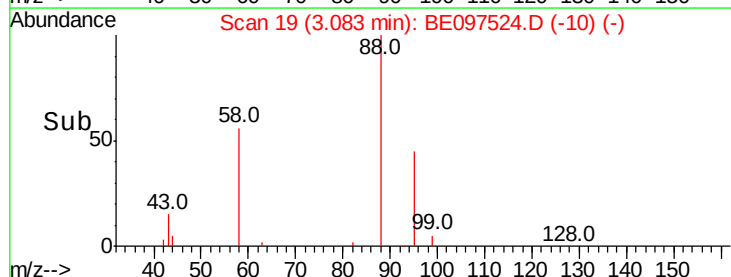
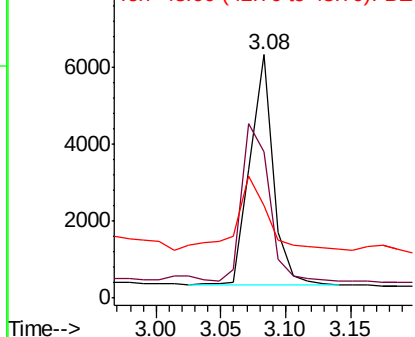
#2

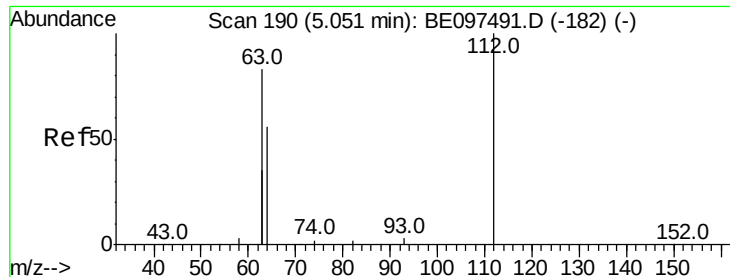
1,4-Dioxane  
 Concen: 4.708 ng  
 RT: 3.08 min Scan# 19  
 Delta R.T. 0.00 min  
 Lab File: BE097524.D  
 Acq: 18 Sep 2018 9:21

Tgt Ion: 88 Resp: 7425  
 Ion Ratio Lower Upper  
 88 100  
 58 79.4 63.2 94.8  
 43 40.9 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: 0.190 ng

RT: 5.05 min Scan# 190

Delta R.T. 0.00 min

Lab File: BE097524.D

Acq: 18 Sep 2018 9:21

Instrument :

BNA\_E

ClientSampleId :

BPS1-TT-MW305I-20180911

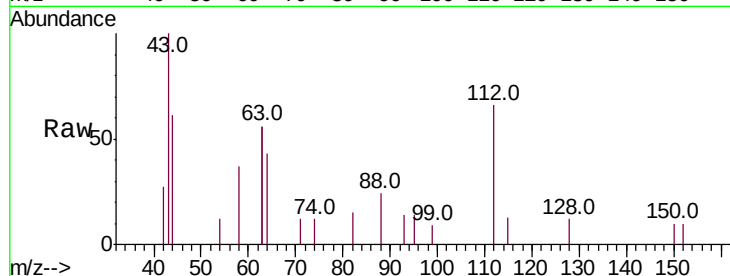
Tot Ion:112 Resp: 586

Ion Ratio Lower Upper

112 100

64 67.7 60.1 90.1

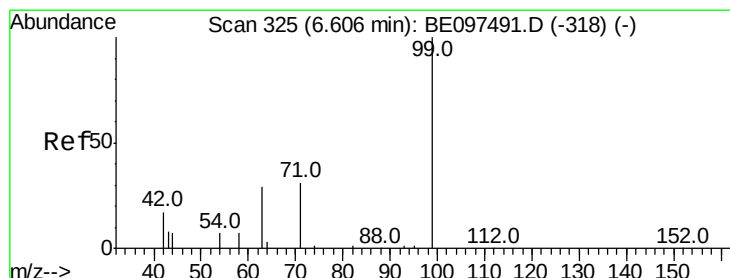
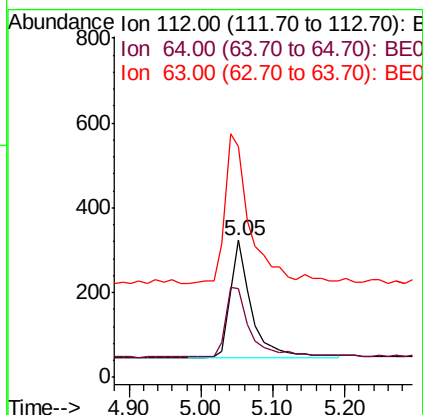
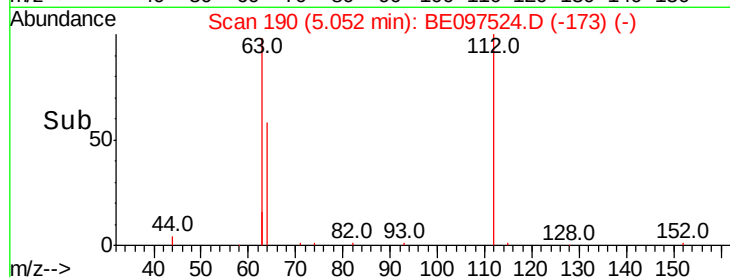
63 139.6 116.8 175.2



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: 0.106 ng

RT: 6.61 min Scan# 325

Delta R.T. 0.00 min

Lab File: BE097524.D

Acq: 18 Sep 2018 9:21

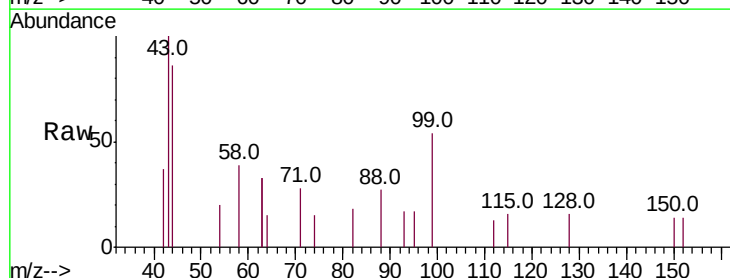
Tgt Ion: 99 Resp: 415

Ion Ratio Lower Upper

99 100

42 16.9 20.2 30.2#

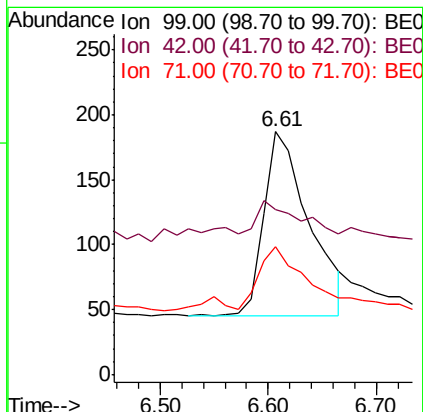
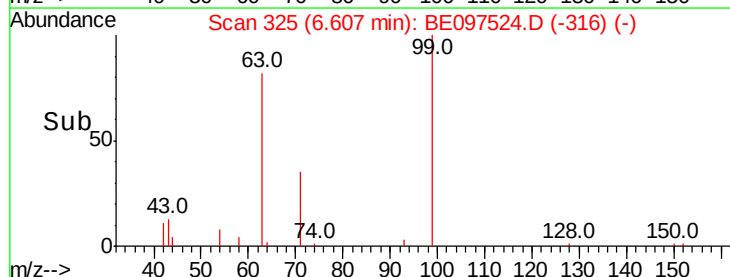
71 34.0 28.4 42.6

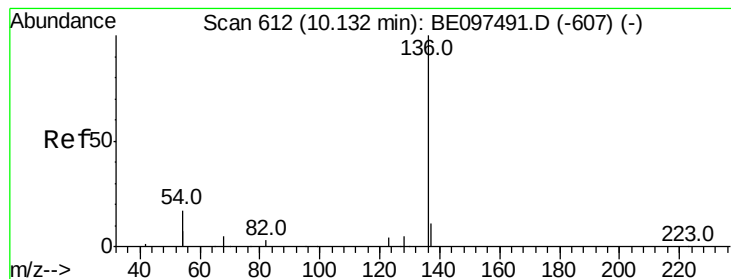


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: BE097524.D

Acq: 18 Sep 2018 9:21

Instrument :

BNA\_E

ClientSampleId :

BPS1-TT-MW305I-20180911

Tot Ion:136 Resp: 4236

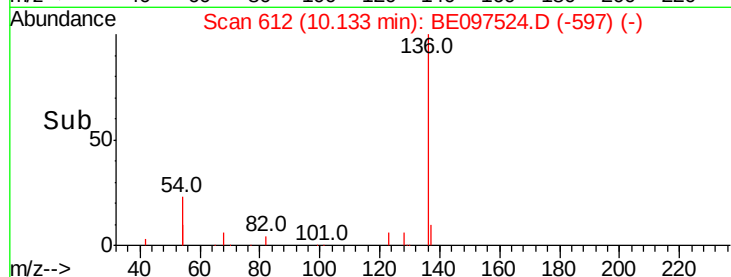
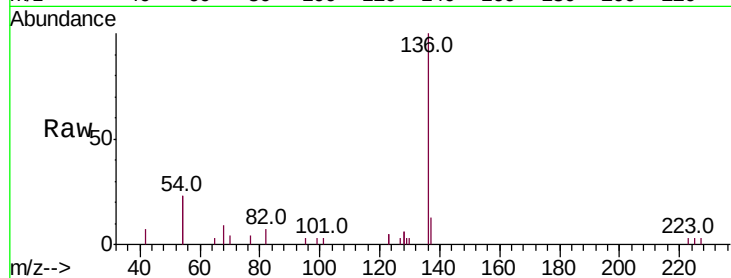
Ion Ratio Lower Upper

136 100

137 12.9 9.5 14.3

54 45.2 29.1 43.7#

68 9.1 6.2 9.2

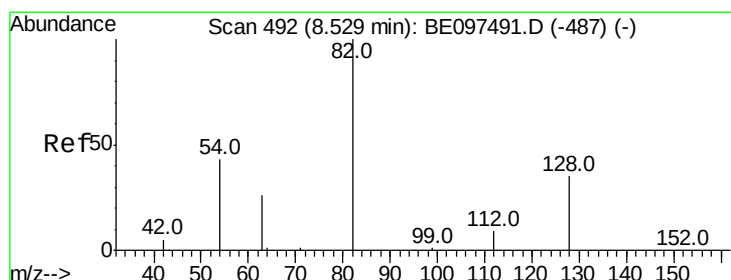
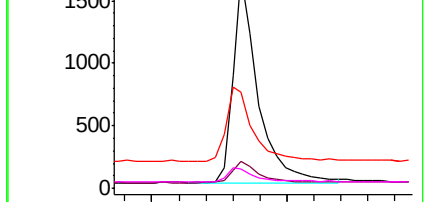


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.417 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.00 min

Lab File: BE097524.D

Acq: 18 Sep 2018 9:21

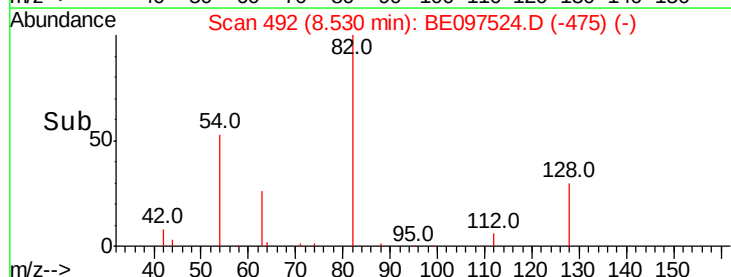
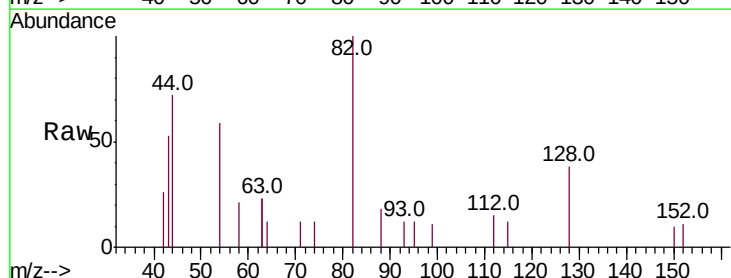
Tgt Ion: 82 Resp: 1423

Ion Ratio Lower Upper

82 100

128 38.1 24.0 36.0#

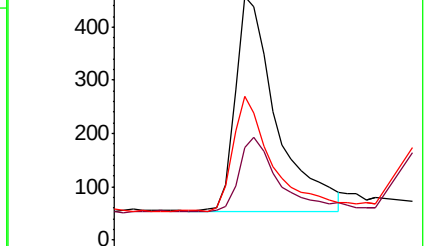
54 58.9 40.0 60.0

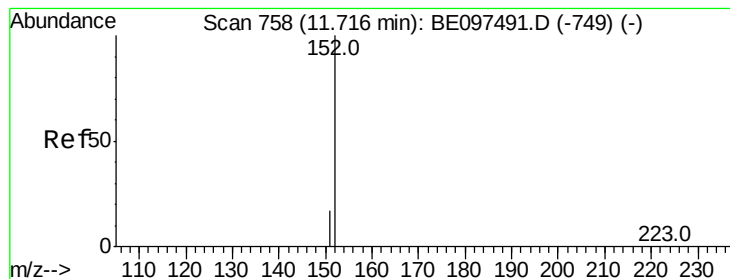


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.432 ng

RT: 11.72 min Scan# 760

Delta R.T. 0.01 min

Lab File: BE097524.D

Acq: 18 Sep 2018 9:21

Instrument :

BNA\_E

ClientSampleId :

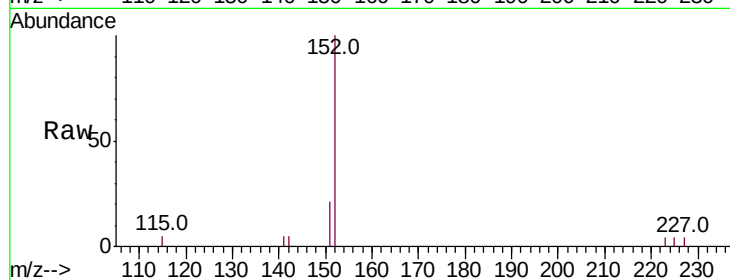
BPS1-TT-MW305I-20180911

Tot Ion:152 Resp: 2618

Ion Ratio Lower Upper

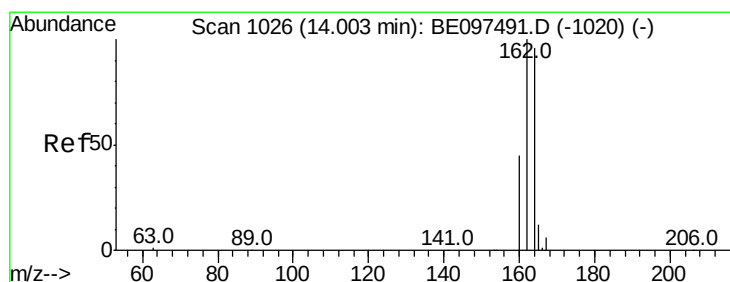
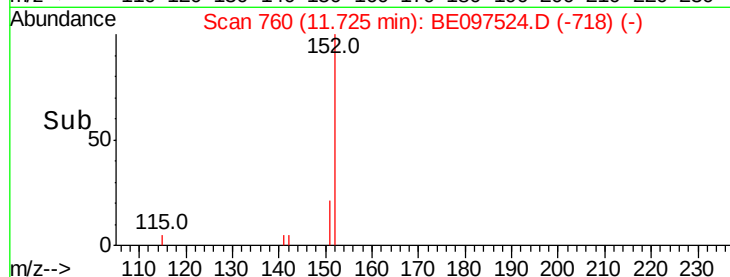
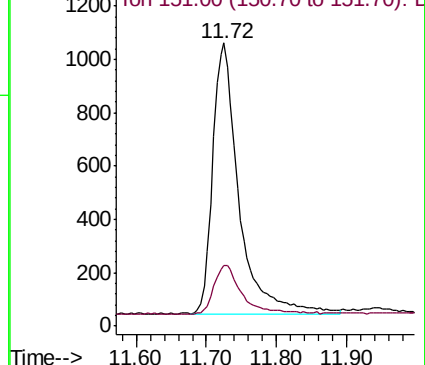
152 100

151 17.8 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: 14.00 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BE097524.D

Acq: 18 Sep 2018 9:21

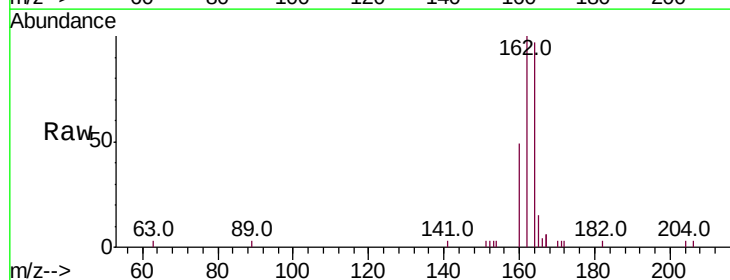
Tgt Ion:164 Resp: 2573

Ion Ratio Lower Upper

164 100

162 102.8 83.1 124.7

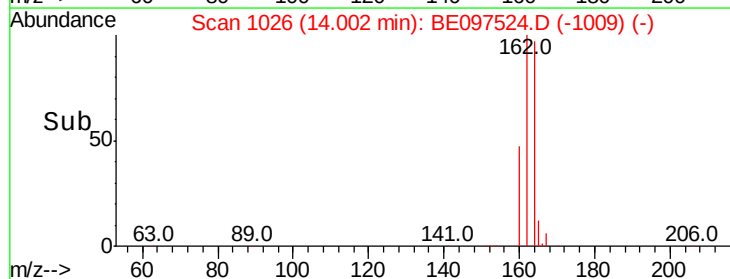
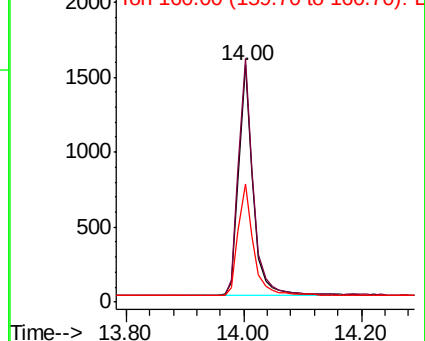
160 50.0 37.1 55.7

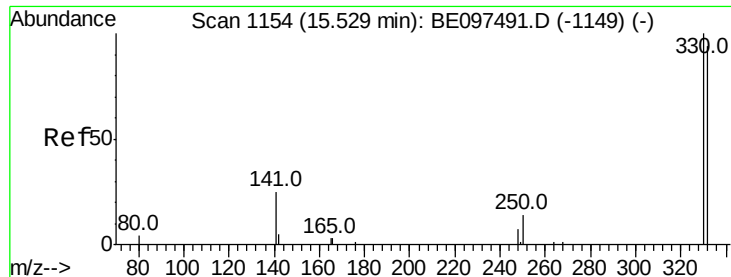


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

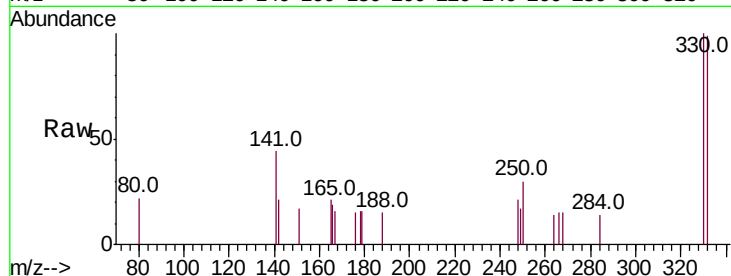




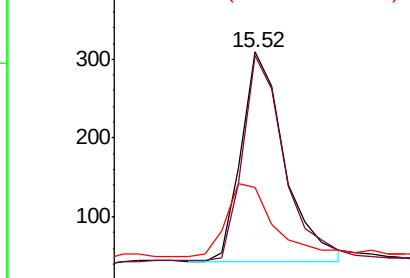
#14  
 2,4,6-Tribromophenol  
 Concen: 0.414 ng  
 RT: 15.52 min Scan# 1153  
 Delta R.T. -0.01 min  
 Lab File: BE097524.D  
 Acq: 18 Sep 2018 9:21

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 BNA\_E  
 ClientSampleId :  
 BPS1-TT-MW305I-20180911

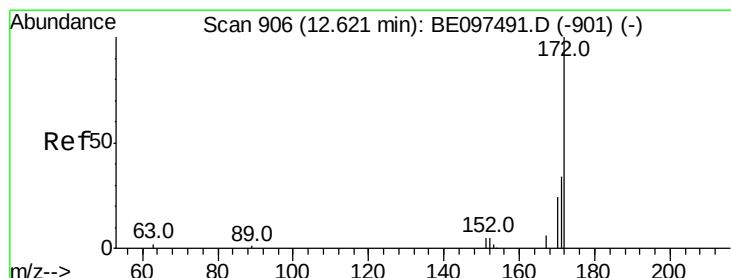
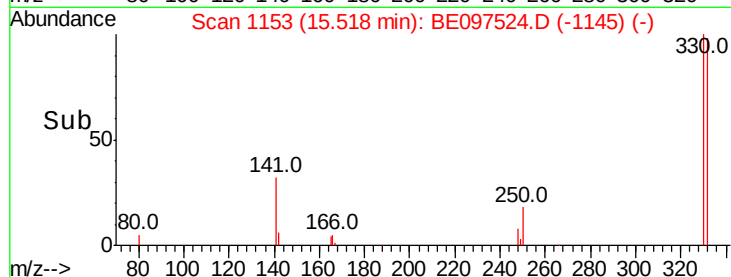
Tot Ion:330 Resp: 563  
 Ion Ratio Lower Upper  
 330 100  
 332 94.3 152.7 229.1#  
 141 38.9 33.7 50.5



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

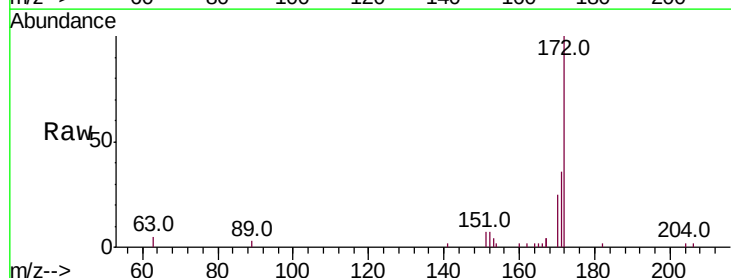


Time-->

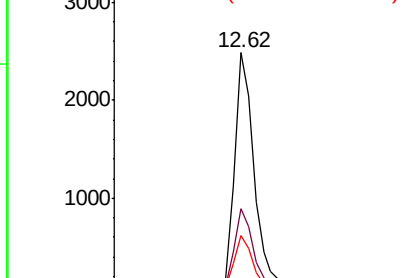


#15  
 2-Fluorobiphenyl  
 Concen: 0.595 ng  
 RT: 12.62 min Scan# 906  
 Delta R.T. -0.00 min  
 Lab File: BE097524.D  
 Acq: 18 Sep 2018 9:21

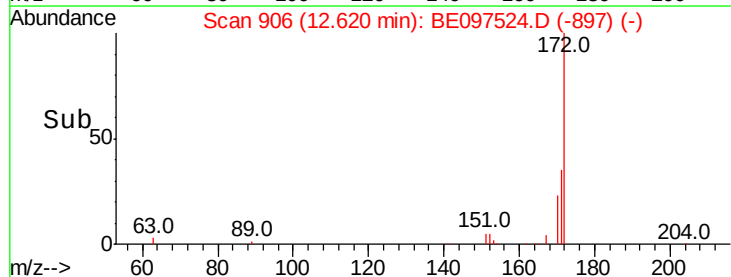
Tgt Ion:172 Resp: 5344  
 Ion Ratio Lower Upper  
 172 100  
 171 35.7 29.9 44.9  
 170 24.8 21.8 32.8

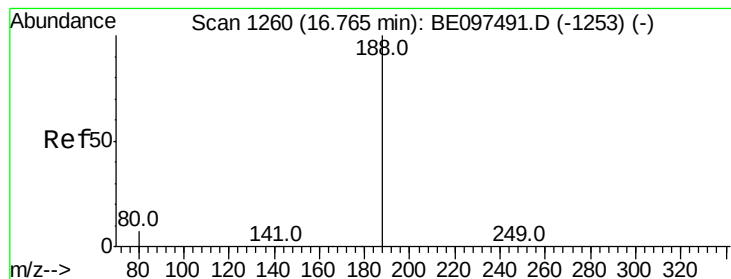


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E



Time-->





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.75 min Scan# 1259

Delta R.T. -0.01 min

Lab File: BE097524.D

Acq: 18 Sep 2018 9:21

Instrument :

BNA\_E

ClientSampleId :

BPS1-TT-MW305I-20180911

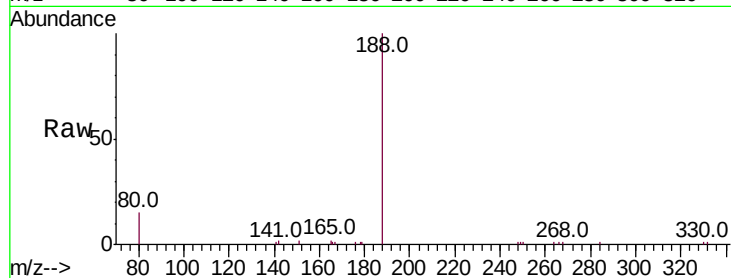
Tot Ion:188 Resp: 7487

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

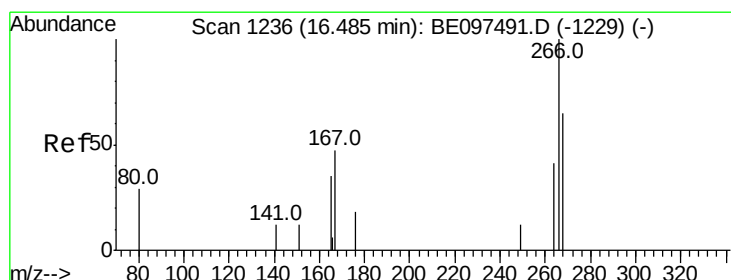
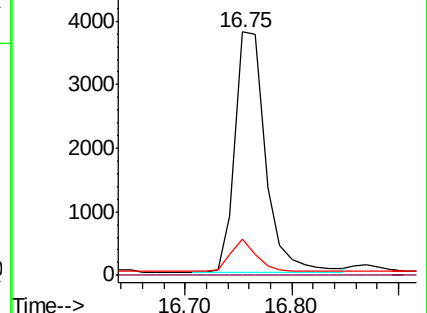
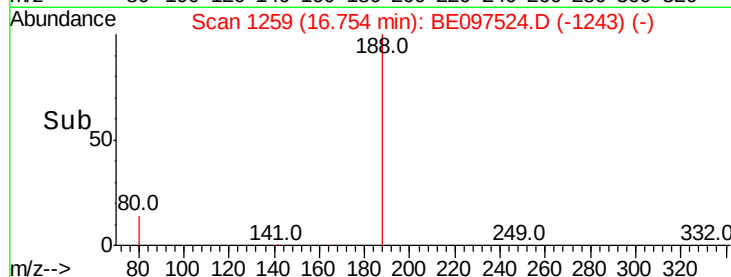
80 15.0 3.6 5.4#



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



#22

Pentachlorophenol

Concen: 0.065 ng

RT: 16.45 min Scan# 1233

Delta R.T. -0.03 min

Lab File: BE097524.D

Acq: 18 Sep 2018 9:21

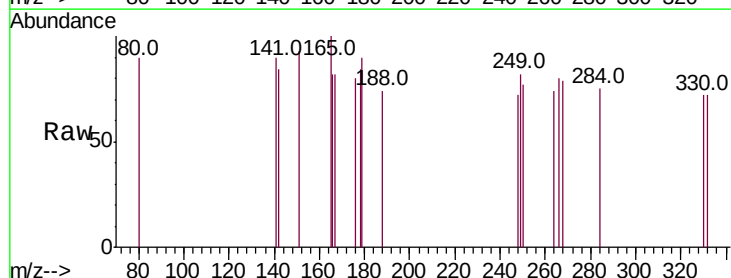
Tgt Ion:266 Resp: 12

Ion Ratio Lower Upper

266 100

264 91.8 72.5 108.7

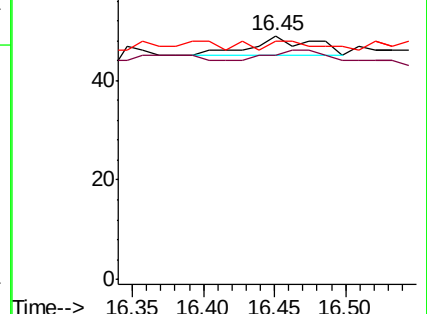
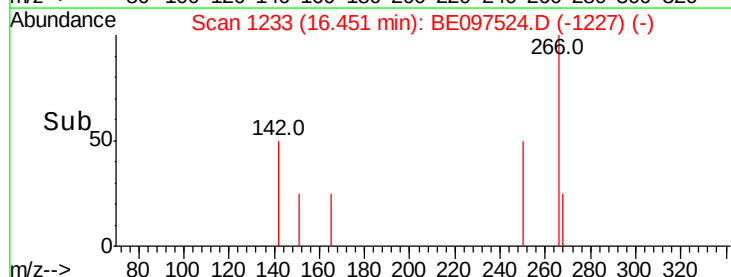
268 98.0 73.8 110.6



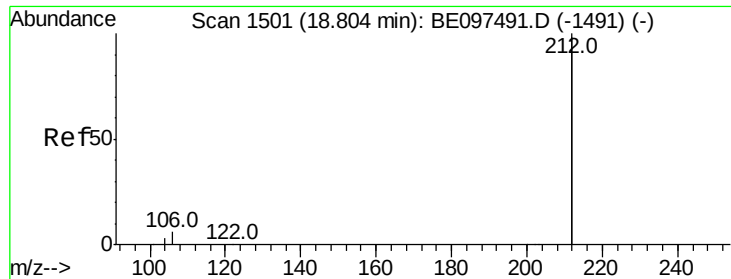
Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E







#25

Fluoranthene-d10

Concen: 0.442 ng

RT: 18.80 min Scan# 1500

Delta R.T. -0.01 min

Lab File: BE097524.D

Acq: 18 Sep 2018 9:21

Instrument :

BNA\_E

ClientSampleId :

BPS1-TT-MW305I-20180911

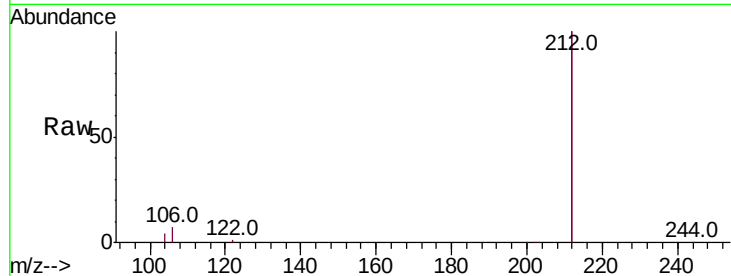
Tot Ion:212 Resp: 39731

Ion Ratio Lower Upper

212 100

106 3.2 2.8 4.2

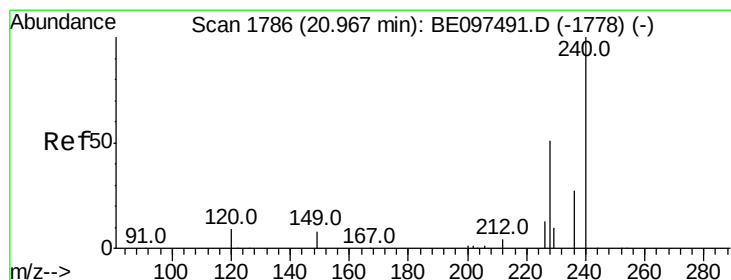
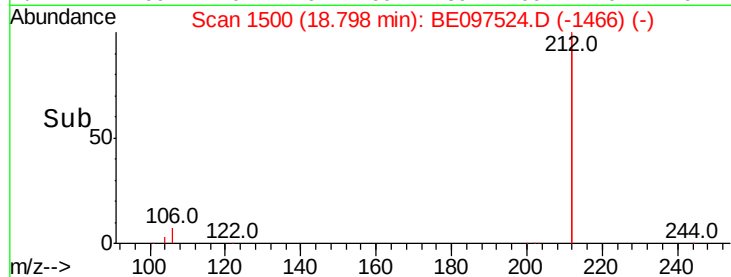
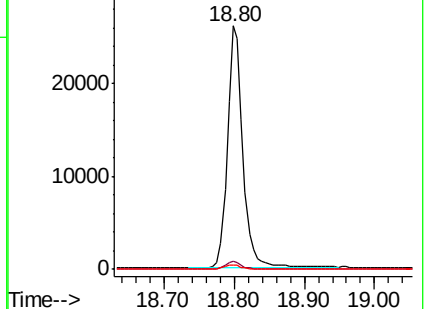
104 1.7 1.6 2.4



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: 20.97 min Scan# 1786

Delta R.T. -0.00 min

Lab File: BE097524.D

Acq: 18 Sep 2018 9:21

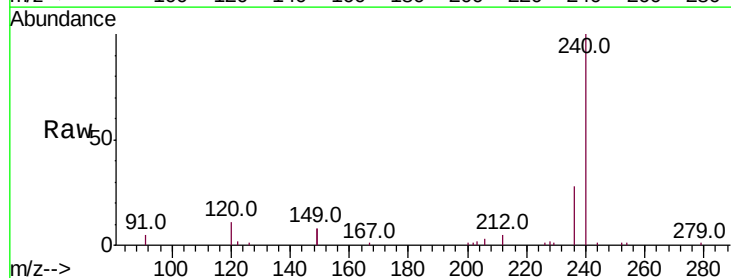
Tgt Ion:240 Resp: 8947

Ion Ratio Lower Upper

240 100

120 10.9 5.5 8.3#

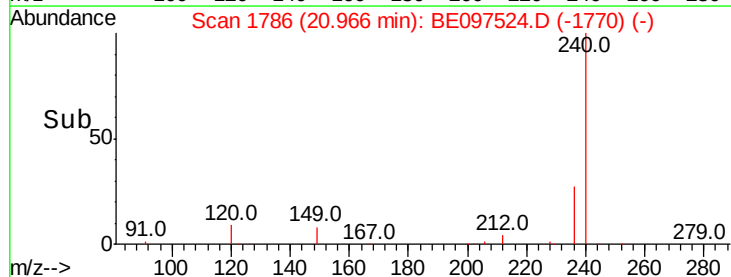
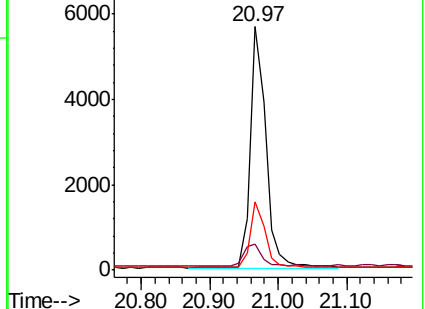
236 27.9 20.7 31.1

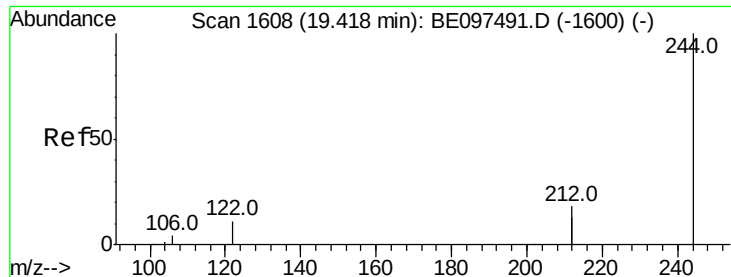


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.574 ng

RT: 19.41 min Scan# 1607

Delta R.T. -0.01 min

Lab File: BE097524.D

Acq: 18 Sep 2018 9:21

Instrument :

BNA\_E

ClientSampleId :

BPS1-TT-MW305I-20180911

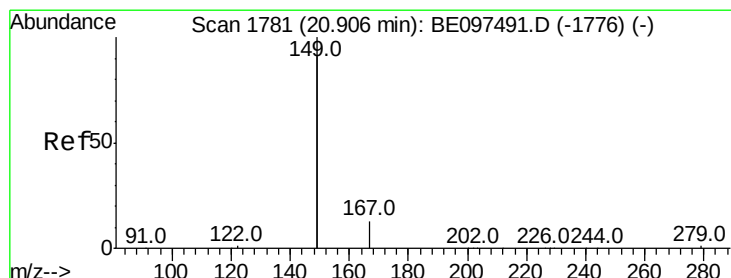
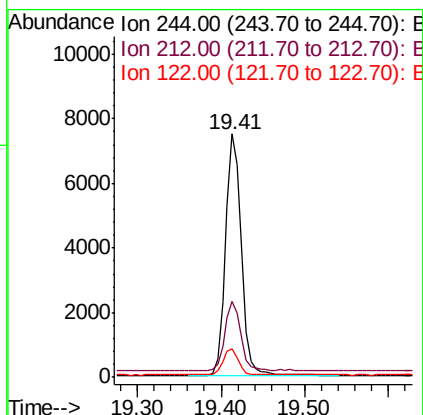
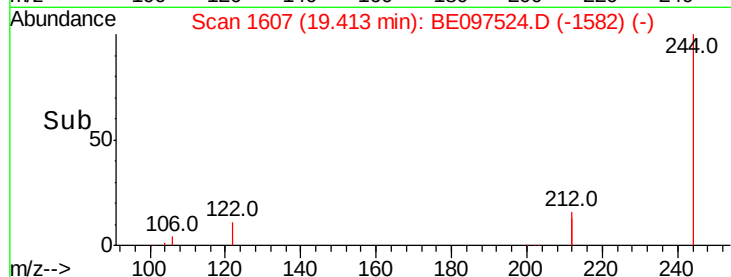
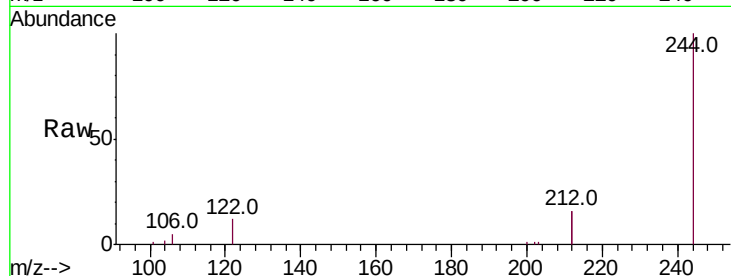
Tot Ion:244 Resp: 9827

Ion Ratio Lower Upper

244 100

212 31.4 25.4 38.0

122 11.8 8.1 12.1



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.126 ng

RT: 20.91 min Scan# 1781

Delta R.T. -0.00 min

Lab File: BE097524.D

Acq: 18 Sep 2018 9:21

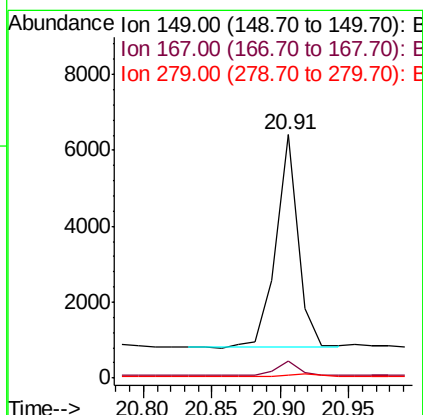
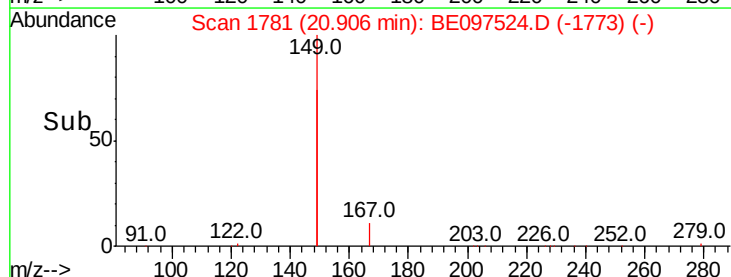
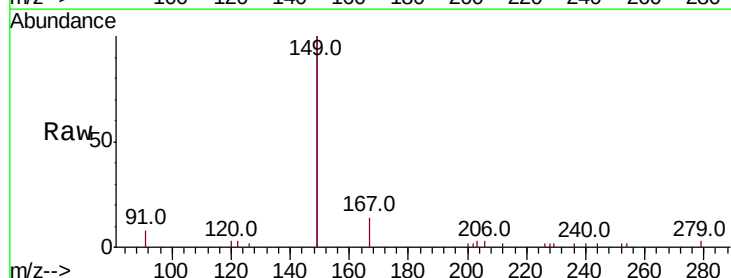
Tgt Ion:149 Resp: 6297

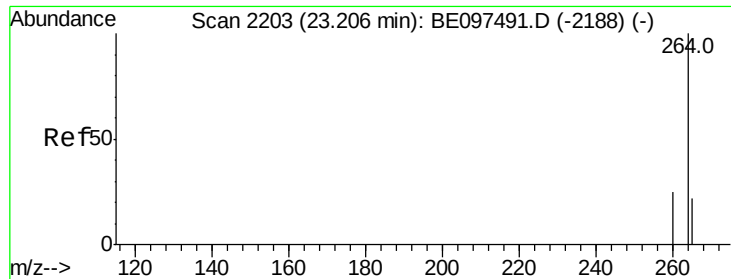
Ion Ratio Lower Upper

149 100

167 6.6 5.4 8.0

279 1.3 0.7 1.1#





#34  
Pervlone-d12  
Concen: 0.400 ng  
RT: 23.21 min Scan# 2203  
Delta R.T. 0.00 min  
Lab File: BE097524.D  
Acq: 18 Sep 2018 9:21

Instrument :  
BNA\_E  
ClientSampleId :  
BPS1-TT-MW305I-20180911

Tot Ion: 264 Resp: 9015  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 25.1  | 20.5  | 30.7  |
| 265 | 31.5  | 22.8  | 34.2  |

