

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE100418\  
 Data File : BE097742.D  
 Acq On : 5 Oct 2018 1:22  
 Operator : SJ/JU  
 Sample : J5189-06  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 RE-131D3-20180927

Quant Time: Oct 05 06:53:26 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE100318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 03 12:17:19 2018  
 Response via : Initial Calibration

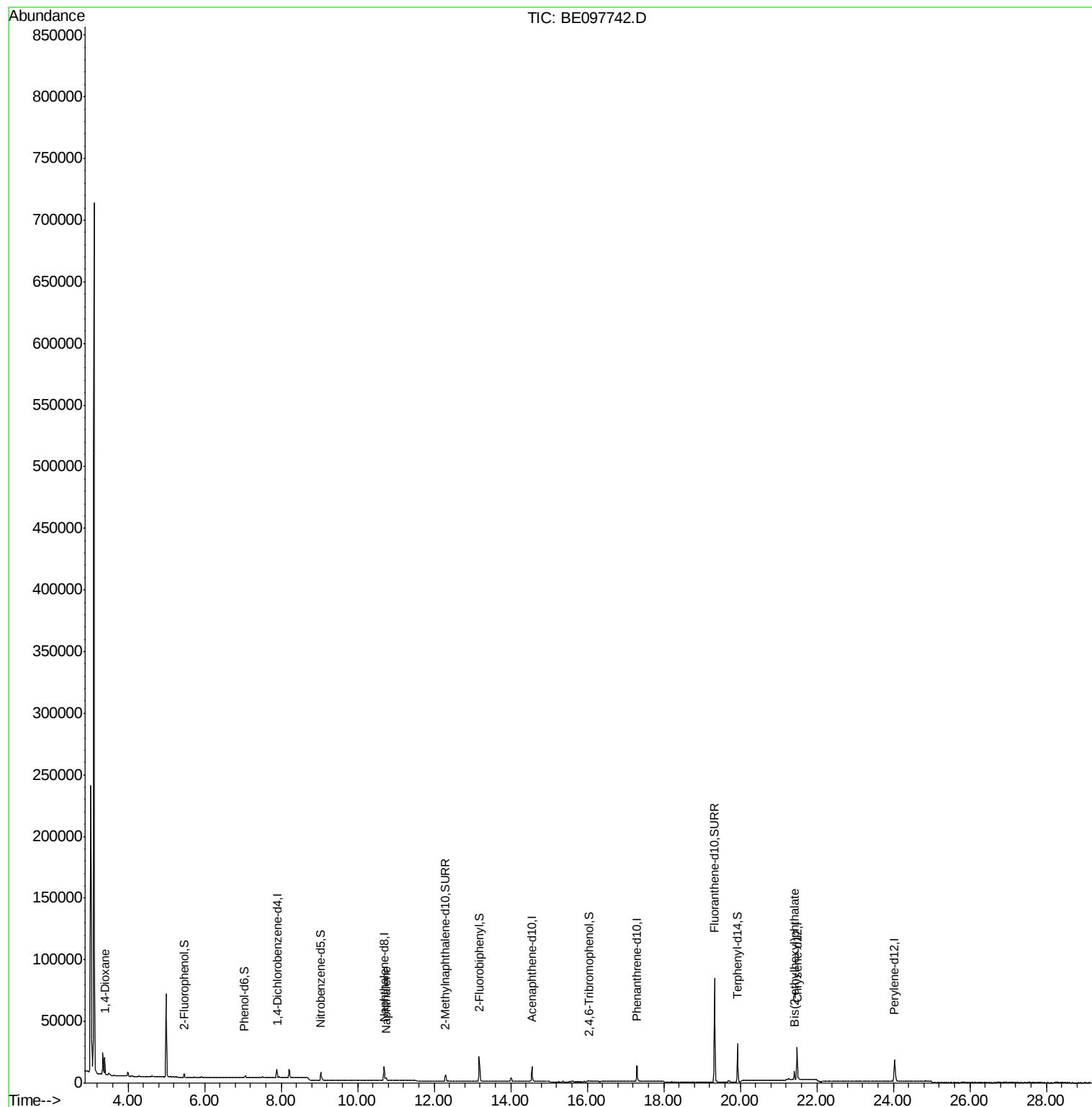
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.90  | 152  | 3286     | 0.40  | ng    | 0.00      |
| 7) Naphthalene-d8              | 10.69 | 136  | 13151    | 0.40  | ng    | 0.00      |
| 13) Acenaphthene-d10           | 14.56 | 164  | 7112     | 0.40  | ng    | 0.00      |
| 19) Phenanthrene-d10           | 17.30 | 188  | 20721    | 0.40  | ng    | 0.00      |
| 27) Chrysene-d12               | 21.49 | 240  | 28477    | 0.40  | ng    | 0.00      |
| 34) Perylene-d12               | 24.03 | 264  | 27912    | 0.40  | ng    | 0.00      |
| System Monitoring Compounds    |       |      |          |       |       |           |
| 4) 2-Fluorophenol              | 5.47  | 112  | 1504     | 0.19  | ng    | 0.00      |
| 5) Phenol-d6                   | 7.04  | 99   | 1261     | 0.11  | ng    | 0.00      |
| 8) Nitrobenzene-d5             | 9.04  | 82   | 2833     | 0.66  | ng    | 0.00      |
| 11) 2-Methylnaphthalene-d10    | 12.29 | 152  | 7755     | 0.37  | ng    | 0.00      |
| 14) 2,4,6-Tribromophenol       | 16.03 | 330  | 655      | 0.51  | ng    | -0.01     |
| 15) 2-Fluorobiphenyl           | 13.17 | 172  | 20810    | 0.66  | ng    | -0.02     |
| 25) Fluoranthene-d10           | 19.33 | 212  | 113890   | 0.43  | ng    | 0.00      |
| 29) Terphenyl-d14              | 19.93 | 244  | 26864    | 0.46  | ng    | 0.00      |
| Target Compounds               |       |      |          |       |       |           |
| 2) 1,4-Dioxane                 | 3.39  | 88   | 7463     | 1.140 | ng    | Qvalue 98 |
| 9) Naphthalene                 | 10.74 | 128  | 3497     | 0.026 | ng    | # 93      |
| 32) Bis(2-ethylhexyl)phthalate | 21.41 | 149  | 7653     | 0.137 | ng    | # 100     |

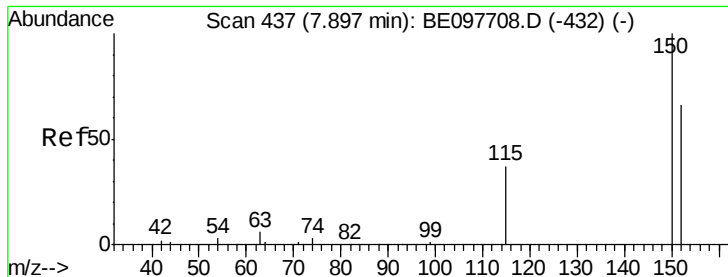
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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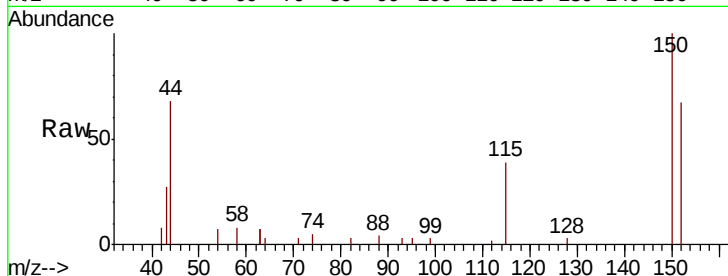


#1

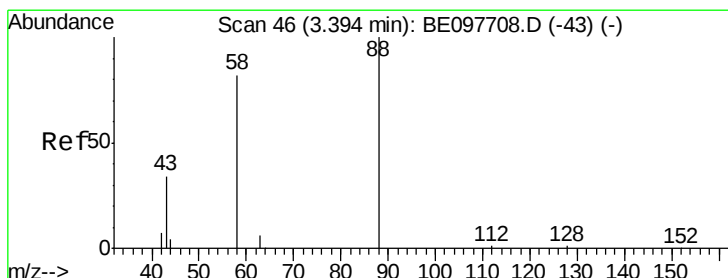
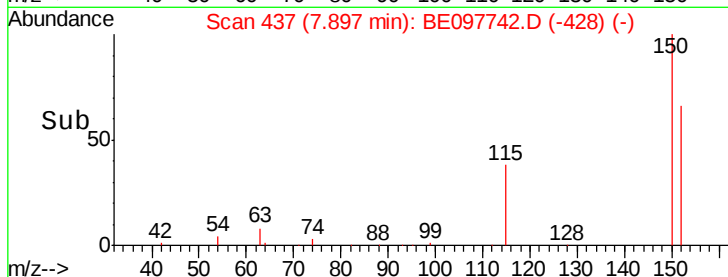
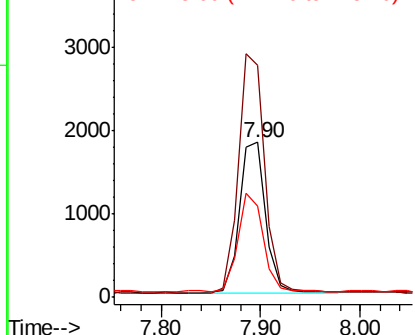
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.90 min Scan# 437  
Delta R.T. -0.00 min  
Lab File: BE097742.D  
Acq: 5 Oct 2018 1:22

Instrument :  
BNA\_E  
ClientSampleId :  
RE-131D3-20180927

Tgt Ion:152 Resp: 3286  
Ion Ratio Lower Upper  
152 100  
150 150.0 120.9 181.3  
115 59.2 46.6 69.8



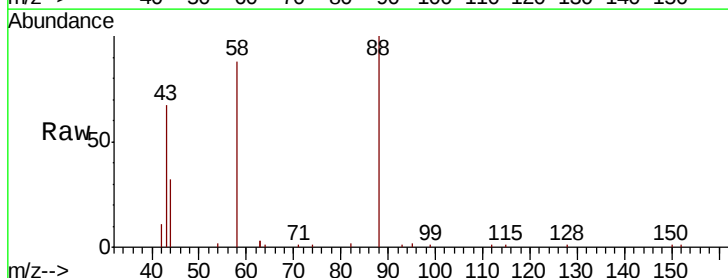
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



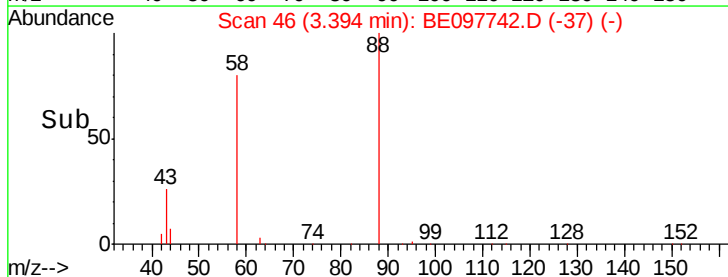
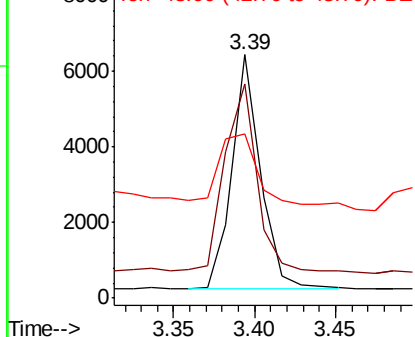
#2

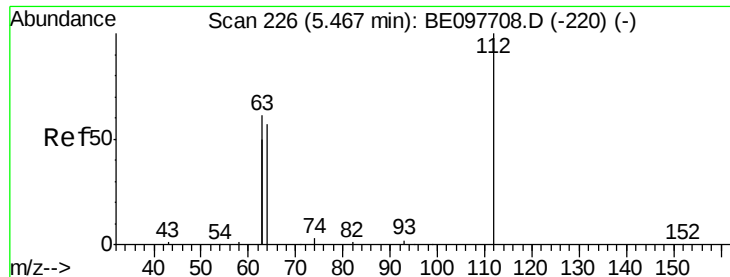
1,4-Dioxane  
Concen: 1.140 ng  
RT: 3.39 min Scan# 46  
Delta R.T. -0.00 min  
Lab File: BE097742.D  
Acq: 5 Oct 2018 1:22

Tgt Ion: 88 Resp: 7463  
Ion Ratio Lower Upper  
88 100  
58 88.9 70.8 106.2  
43 39.0 33.3 49.9



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: 0.193 ng

RT: 5.47 min Scan# 226

Delta R.T. -0.00 min

Lab File: BE097742.D

Acq: 5 Oct 2018 1:22

Instrument :

BNA\_E

ClientSampleId :

RE-131D3-20180927

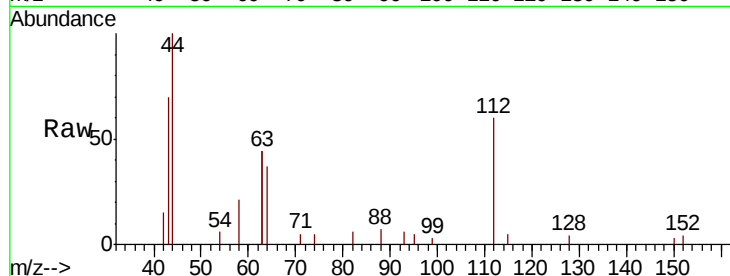
Tgt Ion: 112 Resp: 1504

Ion Ratio Lower Upper

112 100

64 74.0 56.6 84.8

63 155.7 119.4 179.0



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

2000

1500

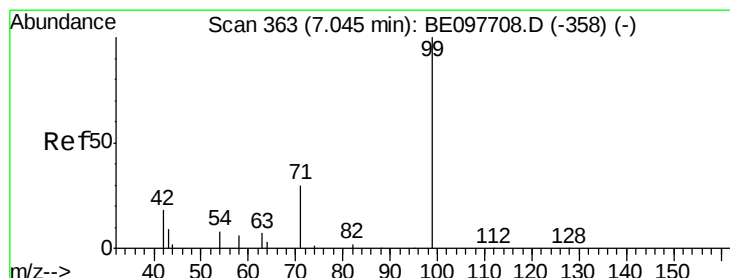
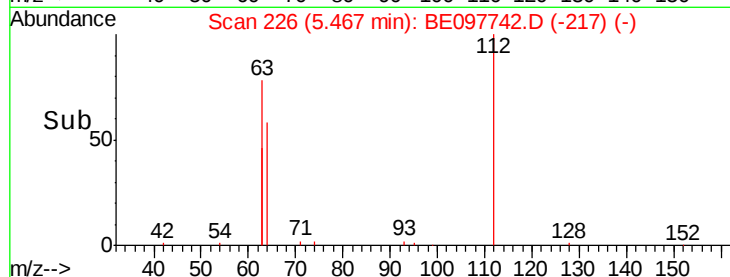
1000

500

0

5.40 5.50 5.60

Time-->



#5

Phenol-d6

Concen: 0.106 ng

RT: 7.04 min Scan# 363

Delta R.T. -0.00 min

Lab File: BE097742.D

Acq: 5 Oct 2018 1:22

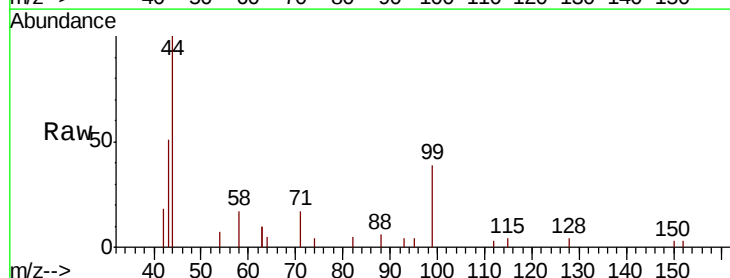
Tgt Ion: 99 Resp: 1261

Ion Ratio Lower Upper

99 100

42 31.9 19.9 29.9#

71 38.1 25.4 38.2



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

1000

800

600

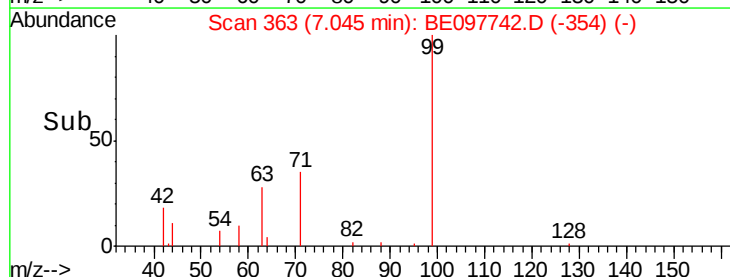
400

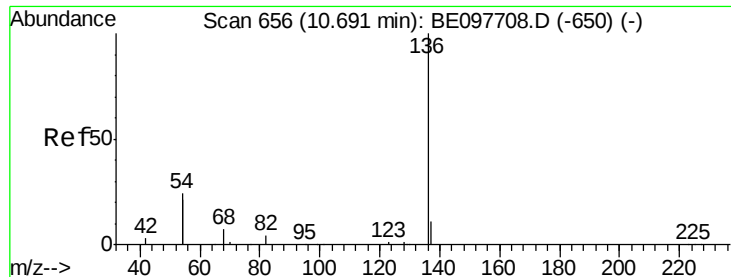
200

0

6.90 7.00 7.10 7.20

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.69 min Scan# 656

Delta R.T. 0.00 min

Lab File: BE097742.D

Acq: 5 Oct 2018 1:22

Instrument :

BNA\_E

ClientSampleId :

RE-131D3-20180927

Tgt Ion:136 Resp: 13151

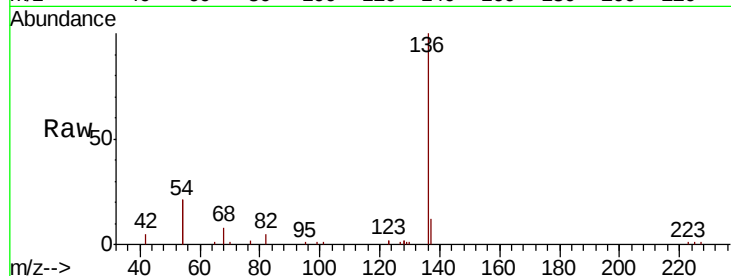
Ion Ratio Lower Upper

136 100

137 11.7 9.0 13.4

54 42.4 37.8 56.6

68 7.6 6.4 9.6

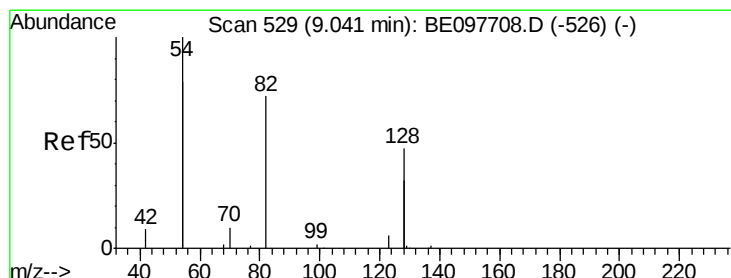
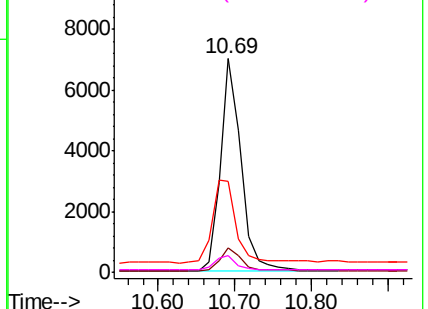
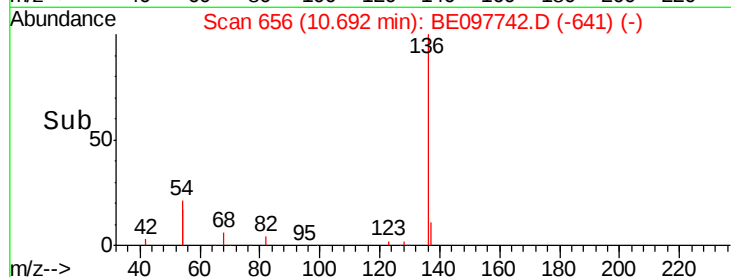


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.664 ng

RT: 9.04 min Scan# 529

Delta R.T. 0.00 min

Lab File: BE097742.D

Acq: 5 Oct 2018 1:22

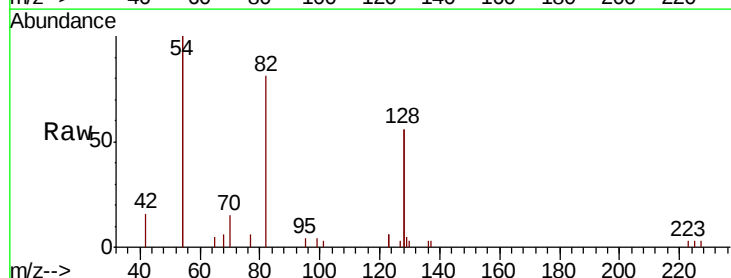
Tgt Ion: 82 Resp: 2833

Ion Ratio Lower Upper

82 100

128 138.3 97.0 145.4

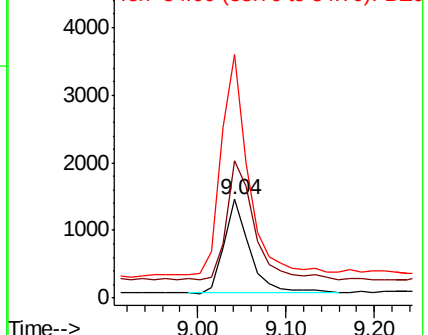
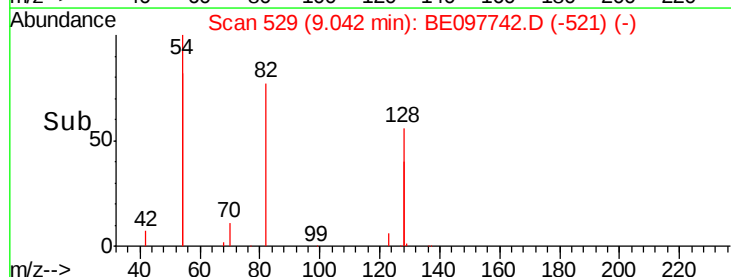
54 246.2 206.9 310.3

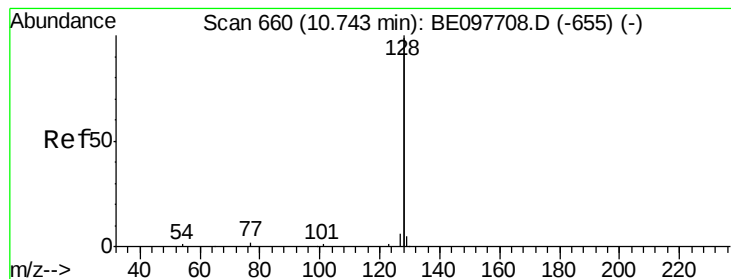


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.026 ng

RT: 10.74 min Scan# 660

Delta R.T. 0.00 min

Lab File: BE097742.D

Acq: 5 Oct 2018 1:22

Instrument :

BNA\_E

ClientSampleId :

RE-131D3-20180927

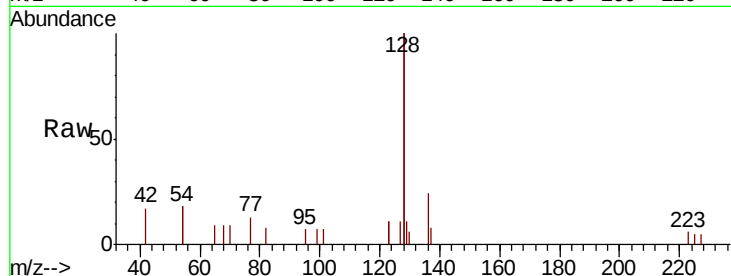
Tgt Ion:128 Resp: 3497

Ion Ratio Lower Upper

128 100

129 5.4 2.2 3.2#

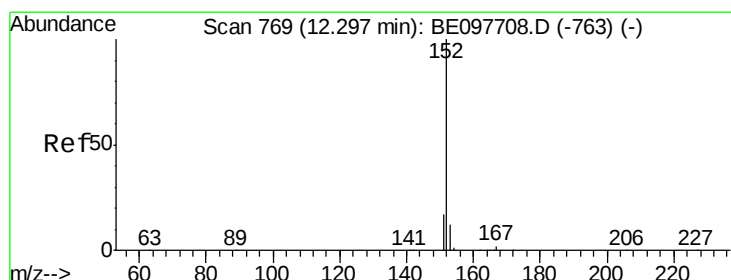
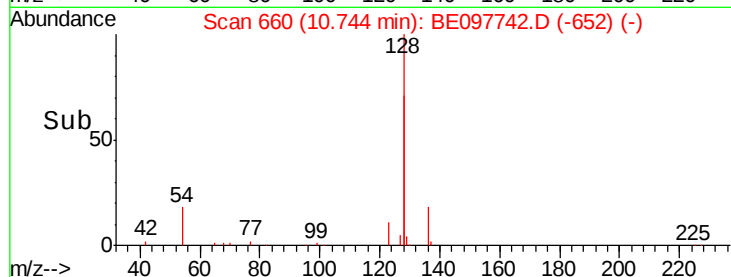
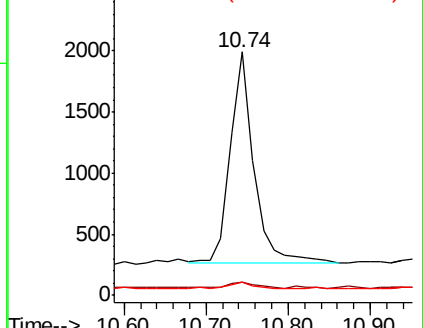
127 5.4 2.7 4.1#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#11

2-Methylnaphthalene-d10

Concen: 0.371 ng

RT: 12.29 min Scan# 769

Delta R.T. -0.00 min

Lab File: BE097742.D

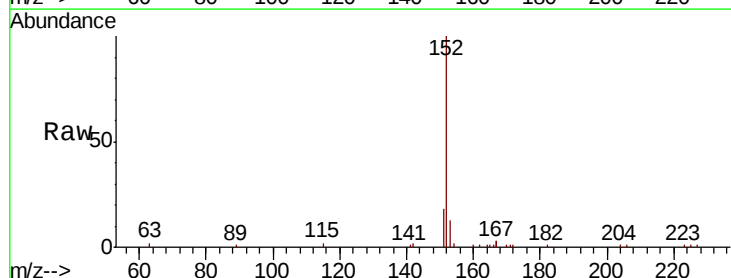
Acq: 5 Oct 2018 1:22

Tgt Ion:152 Resp: 7755

Ion Ratio Lower Upper

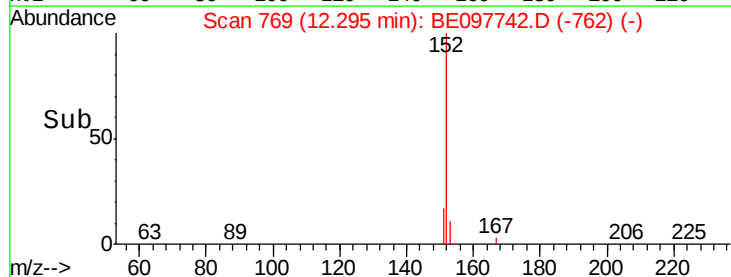
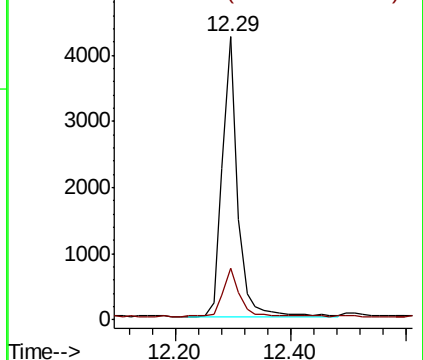
152 100

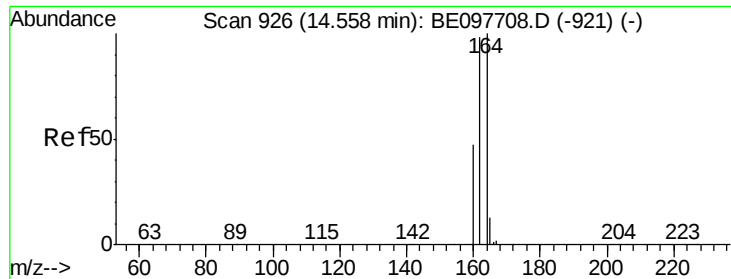
151 17.7 15.4 23.2



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: 14.56 min Scan# 926

Delta R.T. -0.00 min

Lab File: BE097742.D

Acq: 5 Oct 2018 1:22

Instrument :

BNA\_E

ClientSampleId :

RE-131D3-20180927

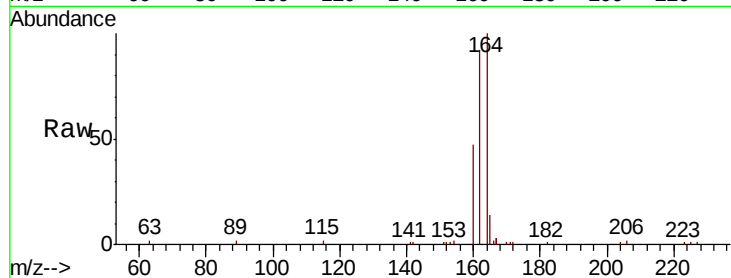
Tgt Ion:164 Resp: 7112

Ion Ratio Lower Upper

164 100

162 91.6 78.6 117.8

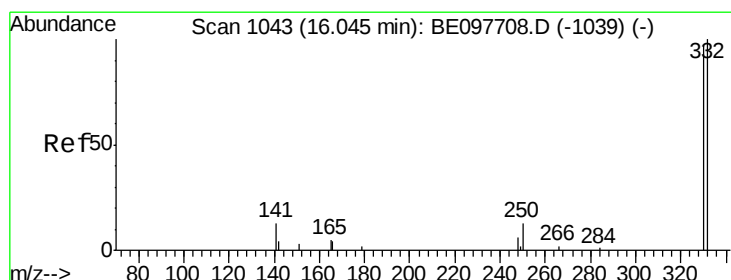
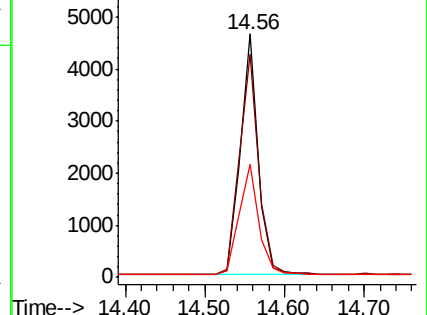
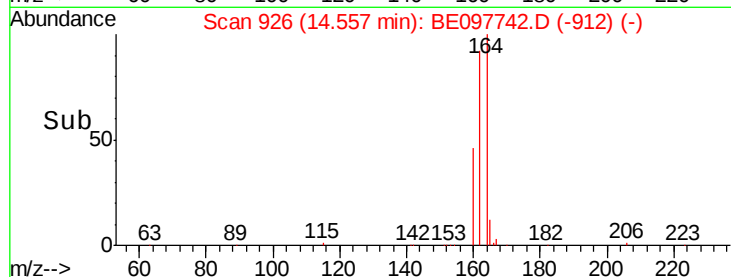
160 46.7 37.8 56.6



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: 0.508 ng

RT: 16.03 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BE097742.D

Acq: 5 Oct 2018 1:22

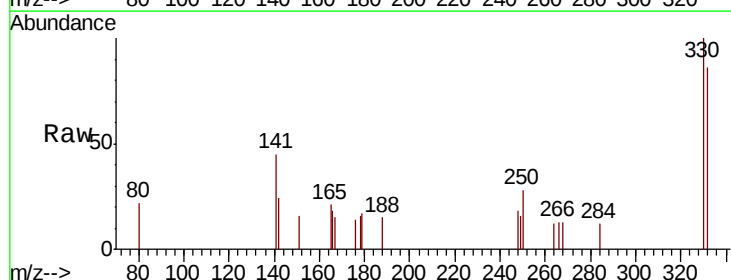
Tgt Ion:330 Resp: 655

Ion Ratio Lower Upper

330 100

332 91.3 83.5 125.3

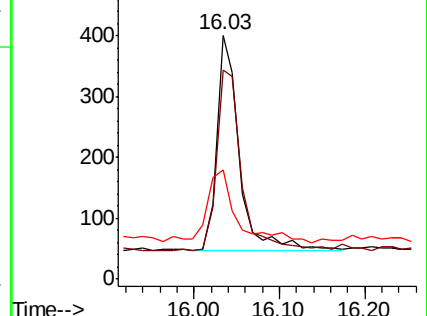
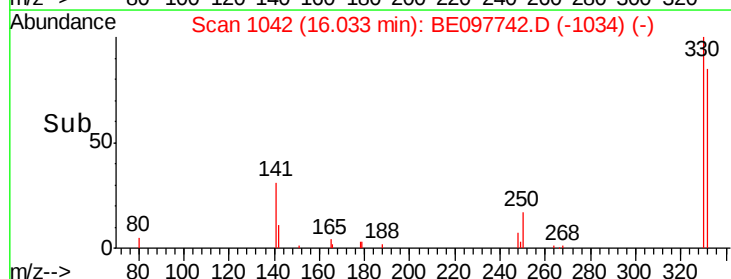
141 46.3 34.9 52.3

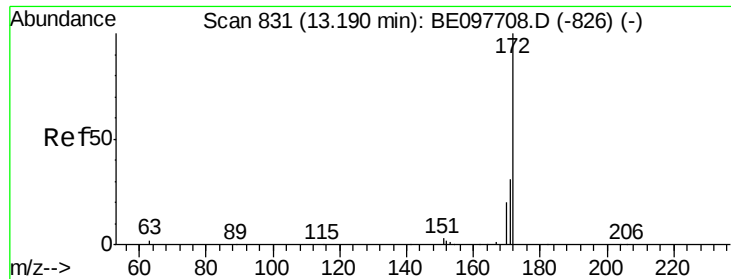


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

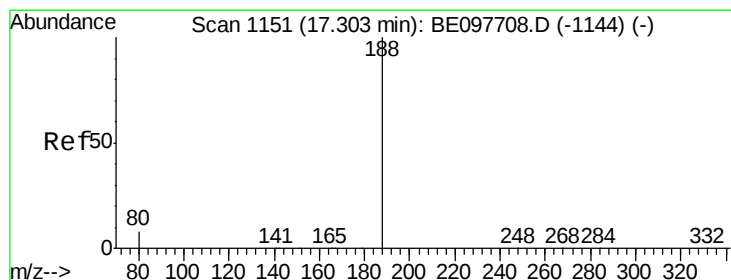
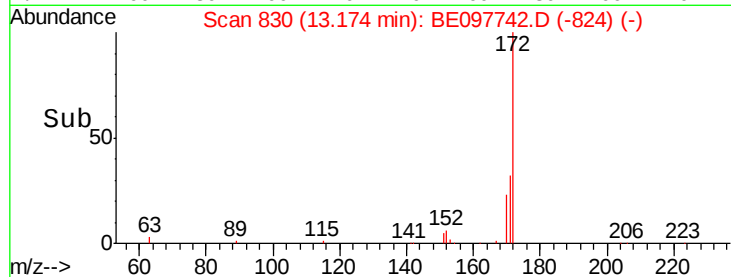
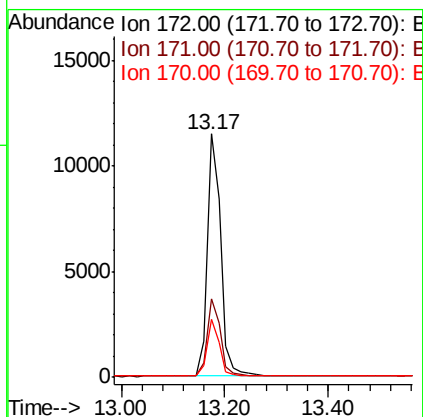
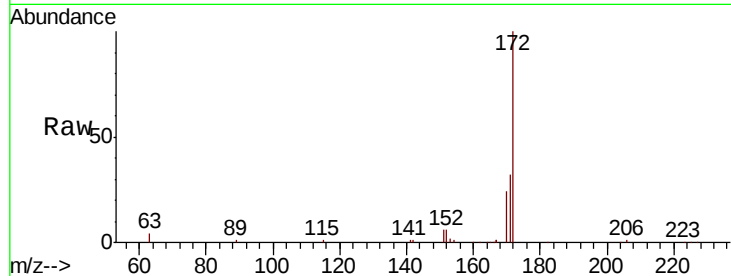




#15  
 2-Fluorobiphenyl  
 Concen: 0.665 ng  
 RT: 13.17 min Scan# 830  
 Delta R.T. -0.02 min  
 Lab File: BE097742.D  
 Acq: 5 Oct 2018 1:22

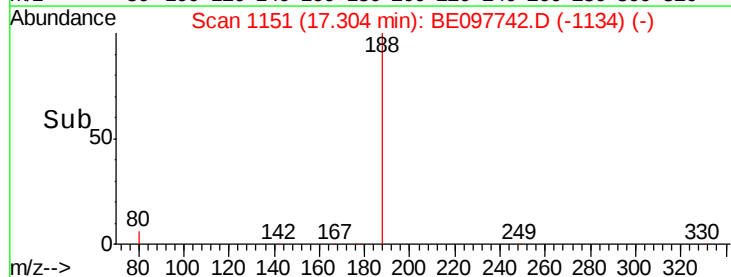
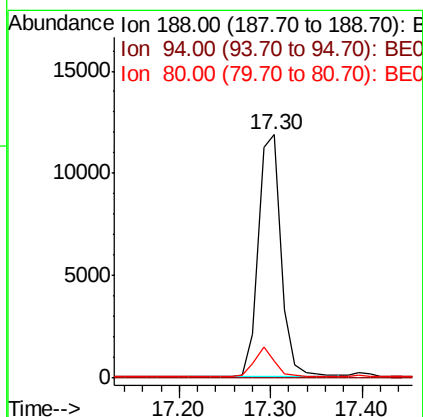
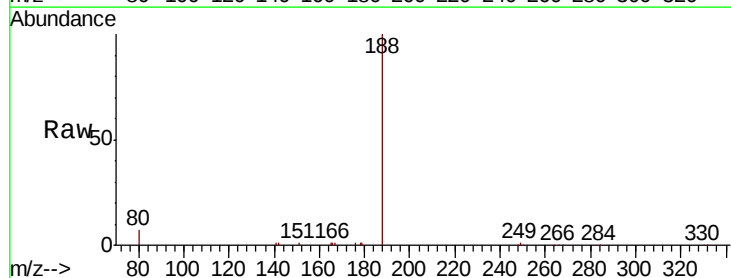
Instrument :  
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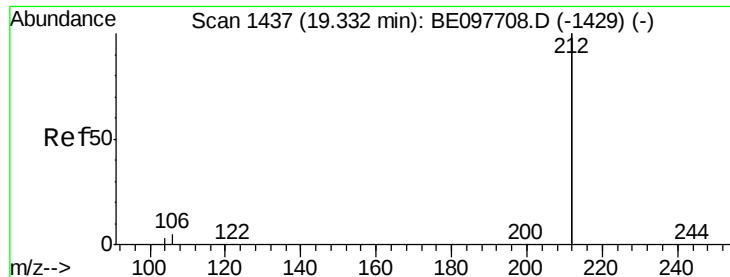
Tgt Ion:172 Resp: 20810  
 Ion Ratio Lower Upper  
 172 100  
 171 32.3 25.2 37.8  
 170 23.7 16.2 24.2



#19  
 Phenanthrene-d10  
 Concen: 0.400 ng  
 RT: 17.30 min Scan# 1151  
 Delta R.T. 0.00 min  
 Lab File: BE097742.D  
 Acq: 5 Oct 2018 1:22

Tgt Ion:188 Resp: 20721  
 Ion Ratio Lower Upper  
 188 100  
 94 0.0 0.0 0.0  
 80 7.0 6.6 9.8

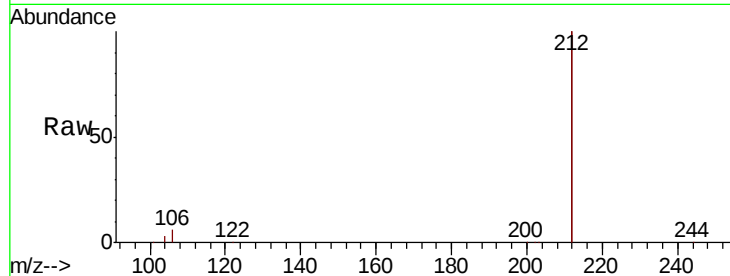




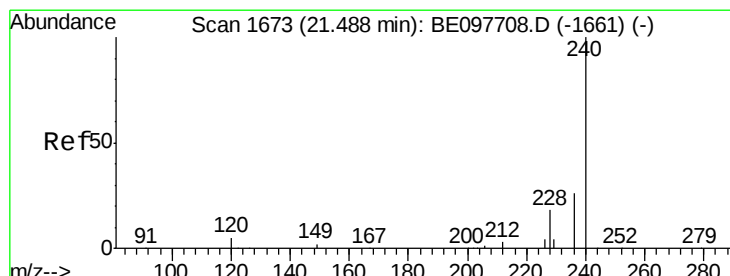
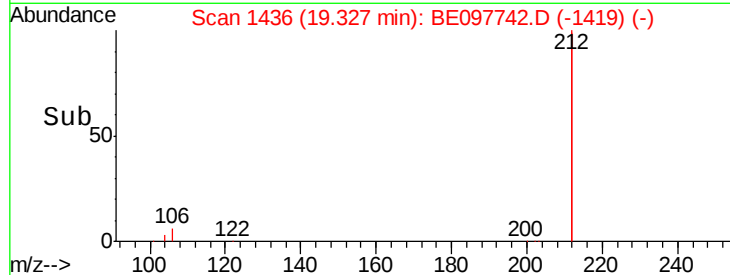
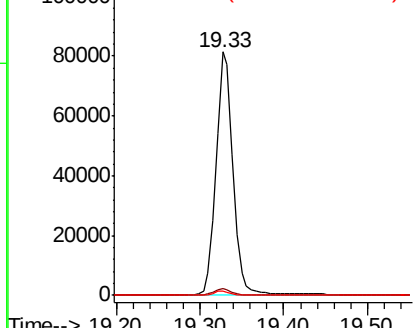
#25  
 Fluoranthene-d10  
 Concen: 0.434 ng  
 RT: 19.33 min Scan# 1436  
 Delta R.T. -0.01 min  
 Lab File: BE097742.D  
 Acq: 5 Oct 2018 1:22

Instrument :  
 BNA\_E  
 ClientSampleId :  
 RE-131D3-20180927

Tgt Ion:212 Resp: 113890  
 Ion Ratio Lower Upper  
 212 100  
 106 2.7 2.2 3.2  
 104 1.5 1.2 1.8

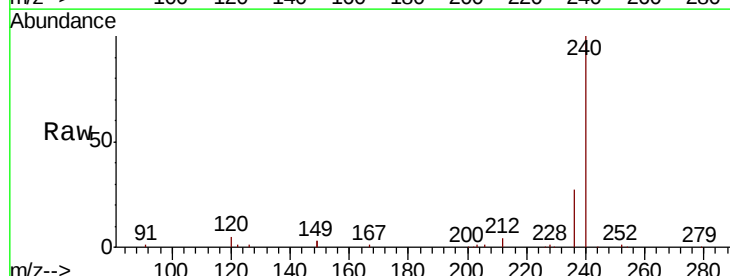


Abundance Ion 212.00 (211.70 to 212.70): E  
 Ion 106.00 (105.70 to 106.70): E  
 Ion 104.00 (103.70 to 104.70): E

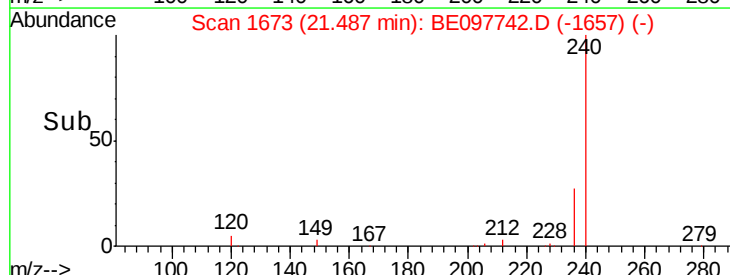
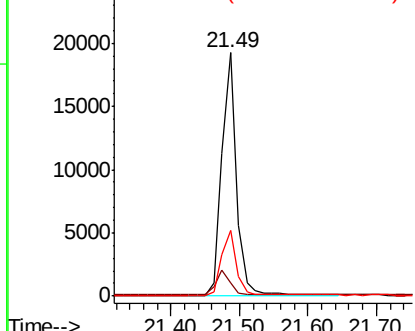


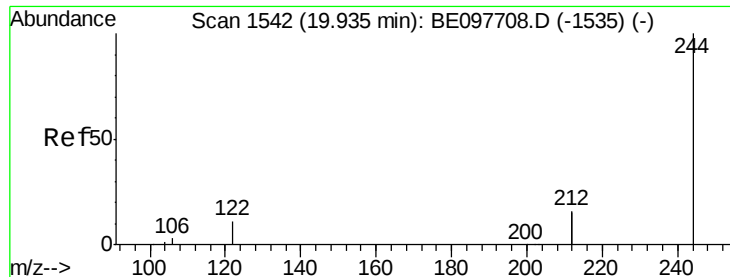
#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.49 min Scan# 1673  
 Delta R.T. -0.00 min  
 Lab File: BE097742.D  
 Acq: 5 Oct 2018 1:22

Tgt Ion:240 Resp: 28477  
 Ion Ratio Lower Upper  
 240 100  
 120 5.4 4.7 7.1  
 236 26.9 20.8 31.2



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: 0.462 ng

RT: 19.93 min Scan# 1541

Delta R.T. -0.01 min

Lab File: BE097742.D

Acq: 5 Oct 2018 1:22

Instrument :

BNA\_E

ClientSampleId :

RE-131D3-20180927

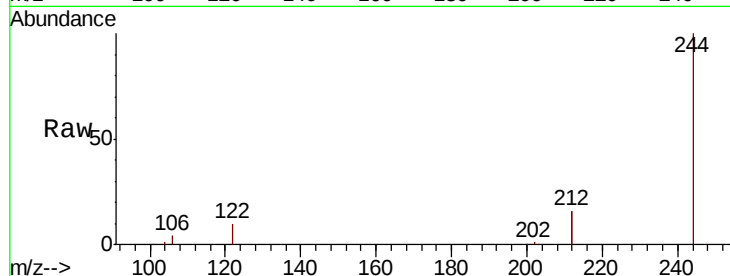
Tgt Ion:244 Resp: 26864

Ion Ratio Lower Upper

244 100

212 32.2 25.8 38.8

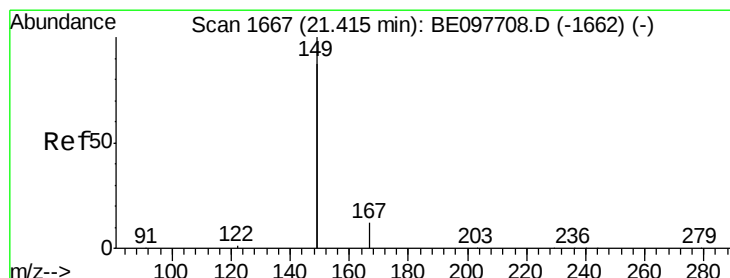
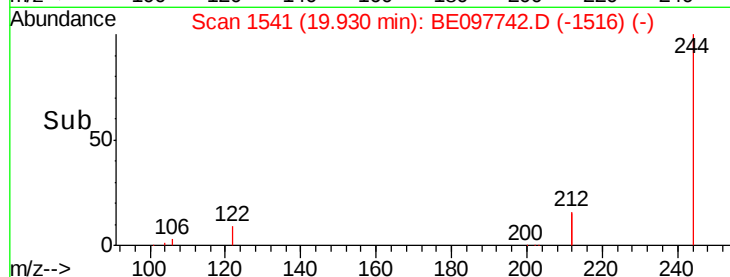
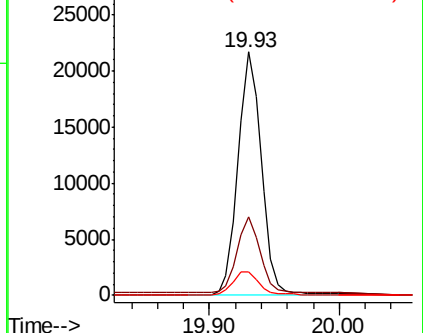
122 9.8 8.7 13.1



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: 0.137 ng

RT: 21.41 min Scan# 1667

Delta R.T. -0.00 min

Lab File: BE097742.D

Acq: 5 Oct 2018 1:22

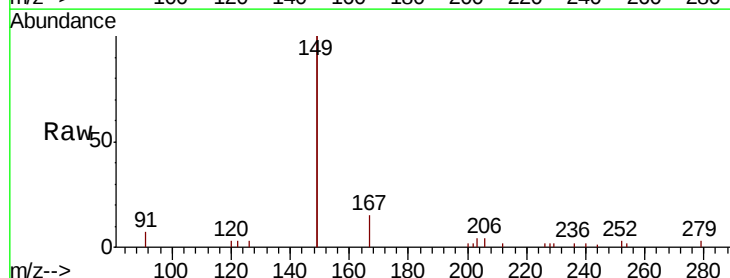
Tgt Ion:149 Resp: 7653

Ion Ratio Lower Upper

149 100

167 7.0 5.5 8.3

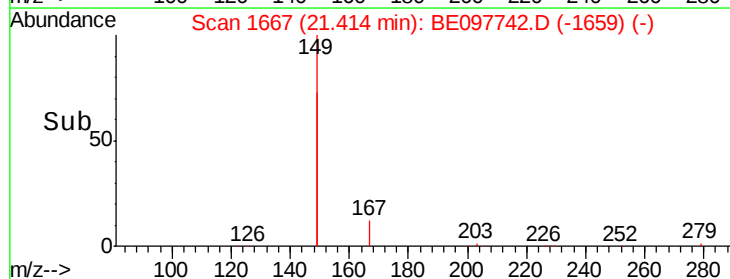
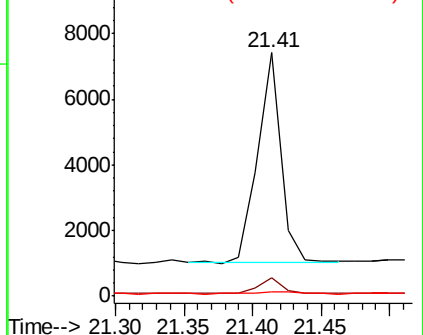
279 1.5 0.9 1.3#

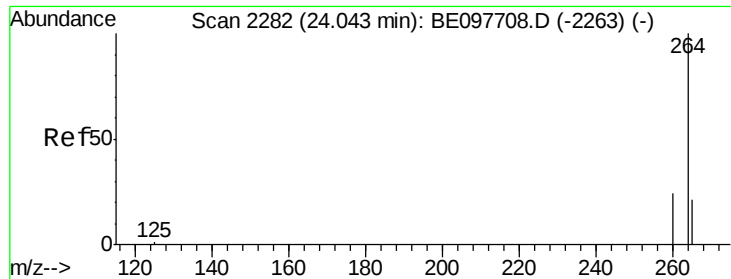


Abundance Ion 149.00 (148.70 to 149.70): E

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: 24.03 min Scan# 2279

Delta R.T. -0.01 min

Lab File: BE097742.D

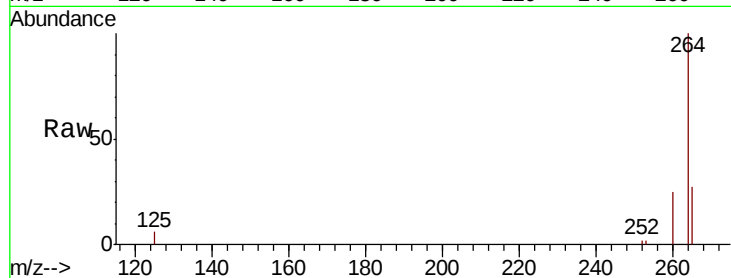
Acq: 5 Oct 2018 1:22

Instrument :

BNA\_E

ClientSampleId :

RE-131D3-20180927



Tgt Ion: 264 Resp: 27912

Ion Ratio Lower Upper

264 100

260 25.4 19.1 28.7

265 26.7 21.9 32.9

