

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092618\  
 Data File : BE097683.D  
 Acq On : 26 Sep 2018 11:38  
 Operator : SJ/JU  
 Sample : J4963-01  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 26 15:28:39 2018

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE092418.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Sep 24 18:40:34 2018

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.38  | 152  | 884      | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.15 | 136  | 4153     | 0.40 | ng    | 0.01     |
| 13) Acenaphthene-d10      | 14.00 | 164  | 2694     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 16.75 | 188  | 8105     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 20.97 | 240  | 10169    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.20 | 264  | 9803     | 0.40 | ng    | 0.00     |

#### System Monitoring Compounds

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| 4) 2-Fluorophenol           | 5.05  | 112 | 507   | 0.22 | ng | 0.00  |
| 5) Phenol-d6                | 6.67  | 99  | 124   | 0.04 | ng | 0.05  |
| 8) Nitrobenzene-d5          | 8.57  | 82  | 1146  | 0.44 | ng | 0.02  |
| 11) 2-Methylnaphthalene-d10 | 11.74 | 152 | 2635  | 0.43 | ng | 0.02  |
| 14) 2,4,6-Tribromophenol    | 15.52 | 330 | 606   | 0.53 | ng | -0.01 |
| 15) 2-Fluorobiphenyl        | 12.63 | 172 | 5868  | 0.67 | ng | 0.00  |
| 25) Fluoranthene-d10        | 18.80 | 212 | 44967 | 0.51 | ng | 0.00  |
| 29) Terphenyl-d14           | 19.41 | 244 | 11651 | 0.58 | ng | 0.00  |

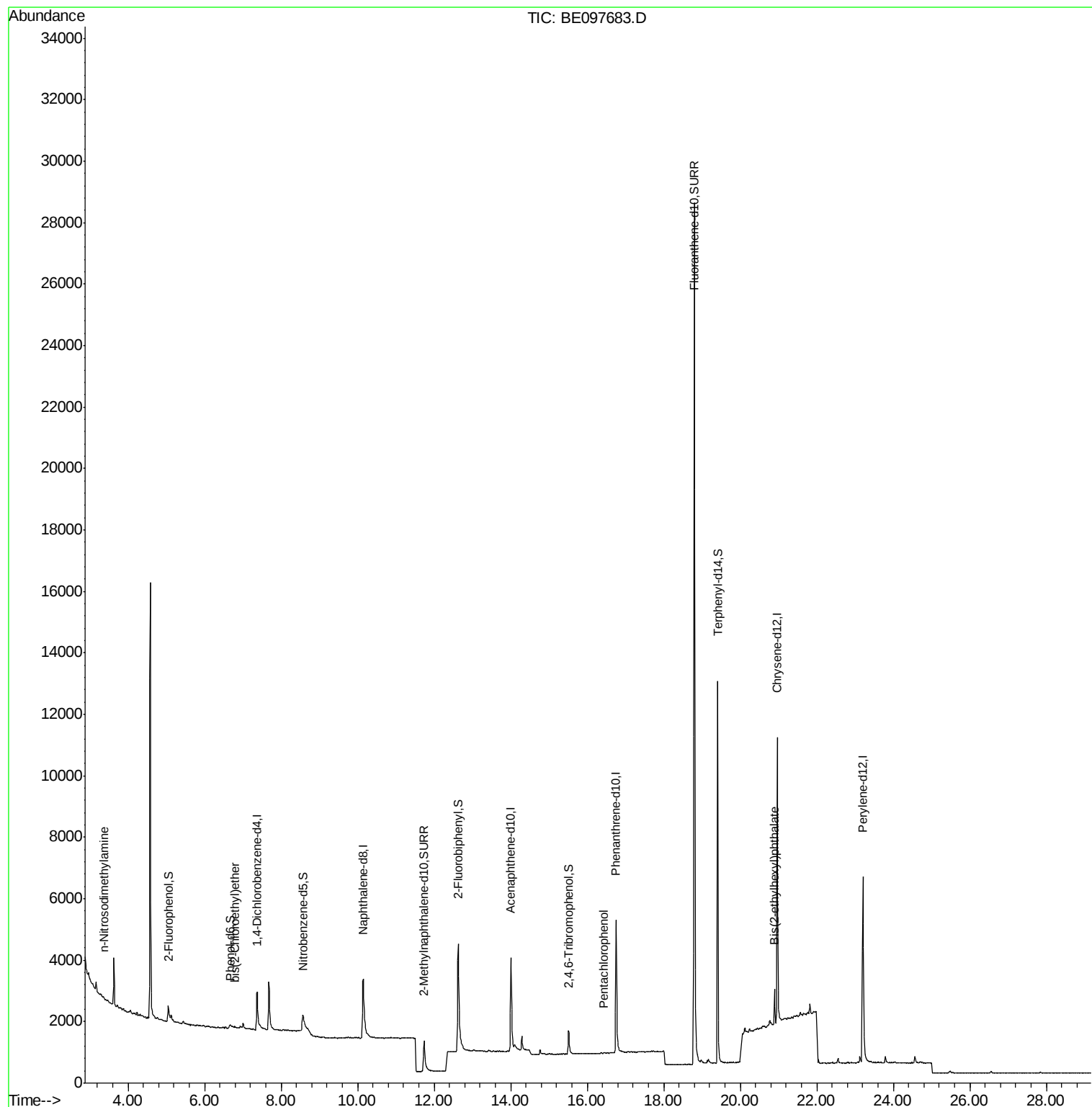
#### Target Compounds

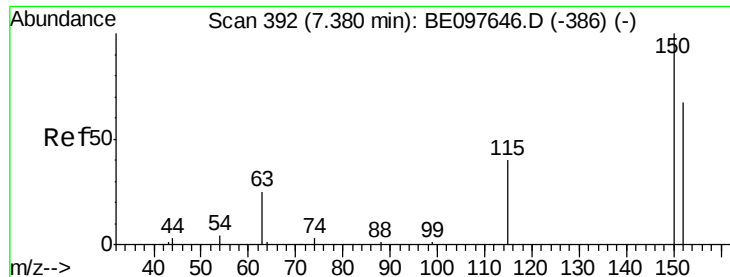
|                                |       |     |      |      |    | Qvalue |
|--------------------------------|-------|-----|------|------|----|--------|
| 3) n-Nitrosodimethylamine      | 3.36  | 42  | 25   | 0.09 | ng | # 1    |
| 6) bis(2-Chloroethyl)ether     | 6.81  | 93  | 20   | 0.07 | ng | # 1    |
| 22) Pentachlorophenol          | 16.43 | 266 | 13   | 0.02 | ng | 98     |
| 32) Bis(2-ethylhexyl)phthalate | 20.89 | 149 | 1415 | 0.05 | ng | # 98   |

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

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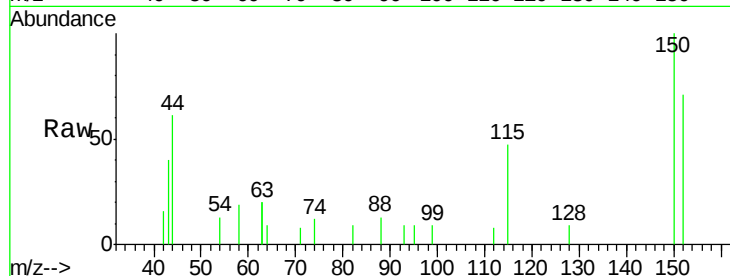




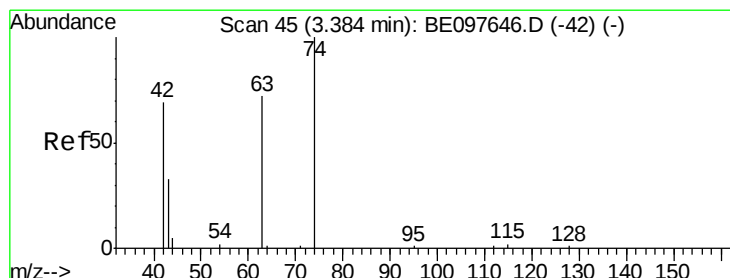
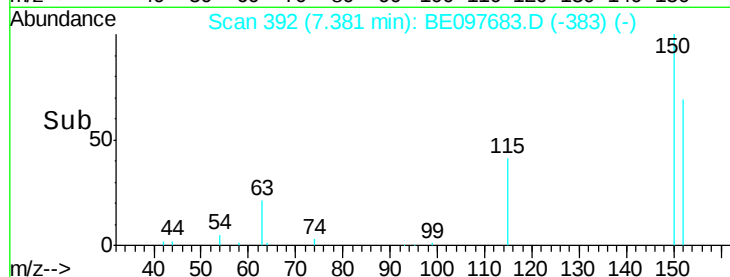
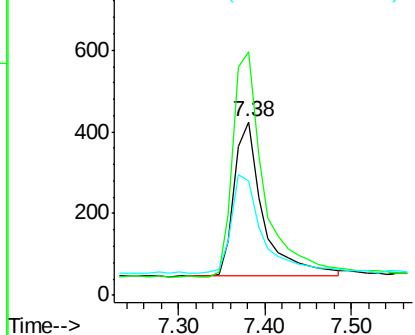
#1

1,4-Dichlorobenzene-d4  
Concen: 0.40 ng  
RT: 7.38 min Scan# 392  
Delta R.T. 0.00 min  
Lab File: BE097683.D  
Acq: 26 Sep 2018 11:38

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 140.2 | 117.2 | 175.8 |
| 115     | 66.1  | 57.0  | 85.6  |



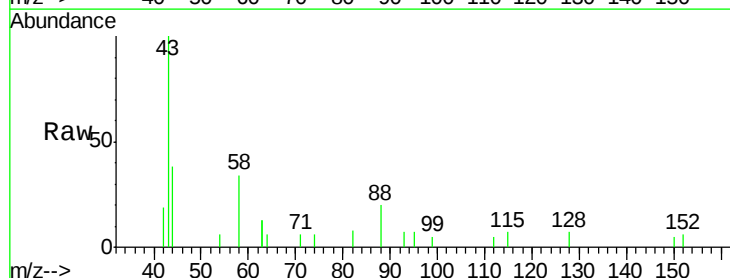
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



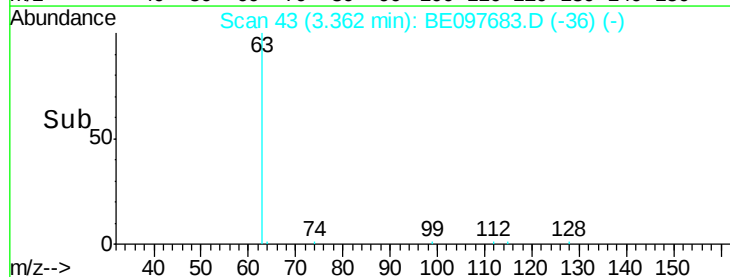
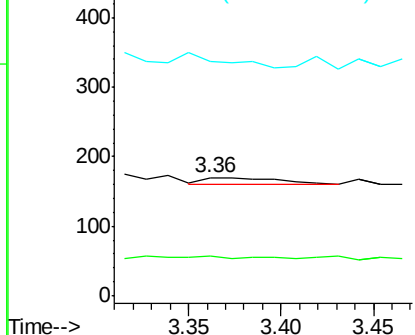
#3

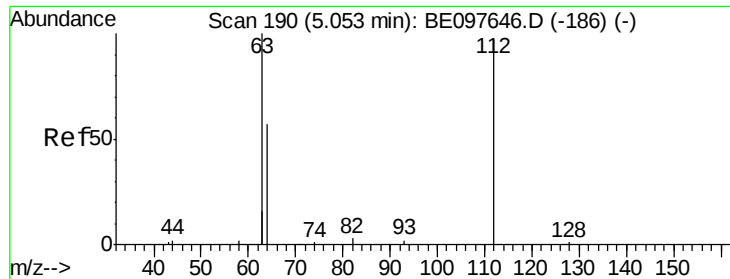
n-Nitrosodimethylamine  
Concen: 0.09 ng  
RT: 3.36 min Scan# 43  
Delta R.T. -0.02 min  
Lab File: BE097683.D  
Acq: 26 Sep 2018 11:38

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 42      | 100   |       |        |
| 74      | 20.0  | 96.0  | 144.0# |
| 44      | 132.0 | 12.0  | 18.0#  |



Abundance Ion 42.00 (41.70 to 42.70): BE0  
Ion 74.00 (73.70 to 74.70): BE0  
Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 0.22 ng

RT: 5.05 min Scan# 190

Delta R.T. 0.00 min

Lab File: BE097683.D

Acq: 26 Sep 2018 11:38

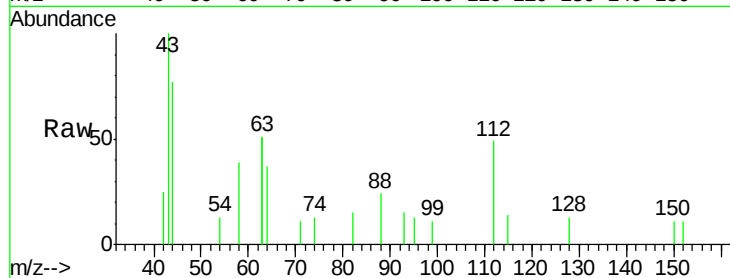
Tot Ion: 112 Resp: 507

Ion Ratio Lower Upper

112 100

64 65.3 60.1 90.1

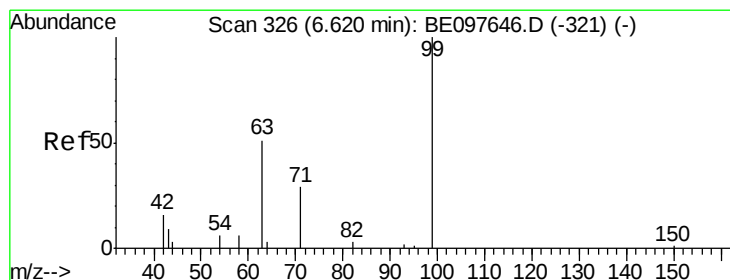
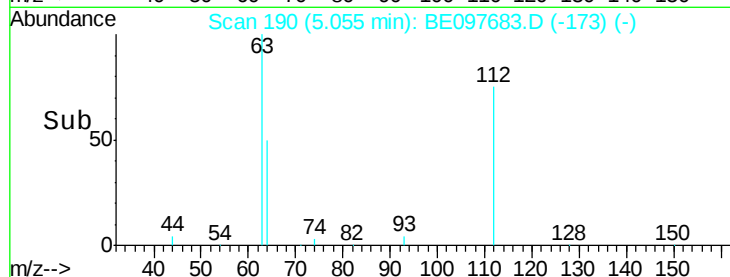
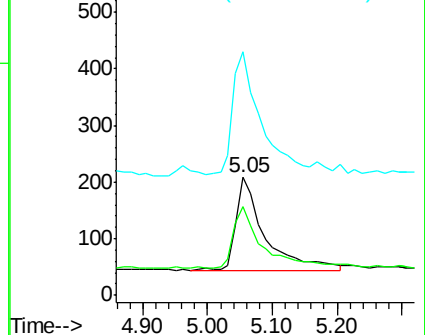
63 126.4 116.8 175.2



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: 0.04 ng

RT: 6.67 min Scan# 330

Delta R.T. 0.05 min

Lab File: BE097683.D

Acq: 26 Sep 2018 11:38

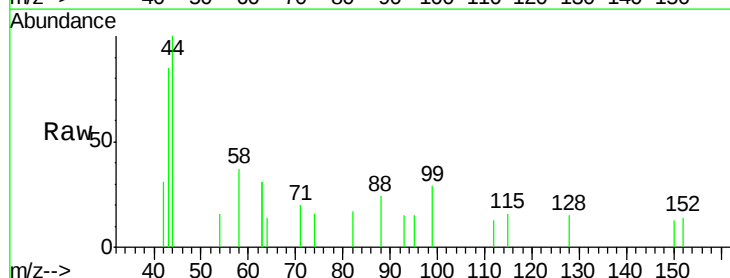
Tgt Ion: 99 Resp: 124

Ion Ratio Lower Upper

99 100

42 29.8 20.2 30.2

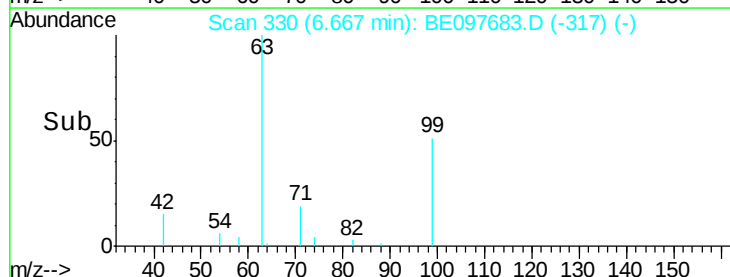
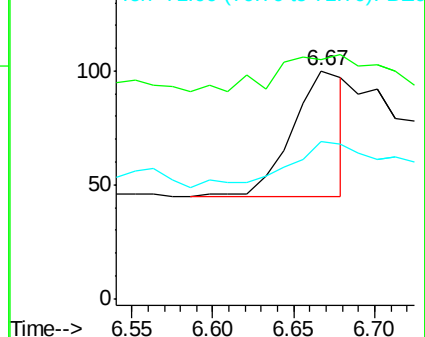
71 40.3 28.4 42.6

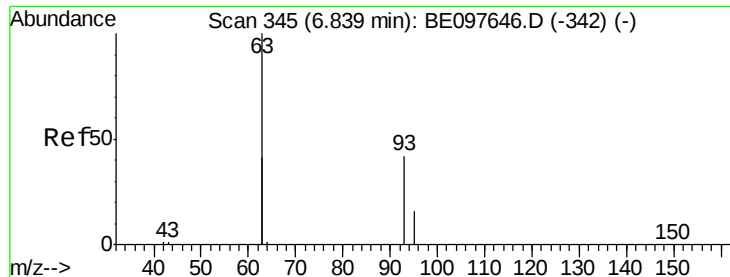


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.07 ng

RT: 6.81 min Scan# 342

Delta R.T. -0.03 min

Lab File: BE097683.D

Acq: 26 Sep 2018 11:38

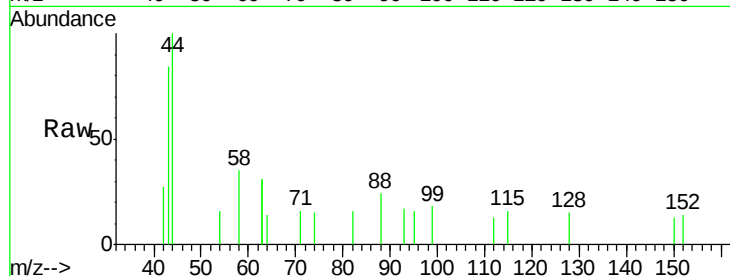
Tot Ion: 93 Resp: 20

Ion Ratio Lower Upper

93 100

63 90.0 275.3 412.9#

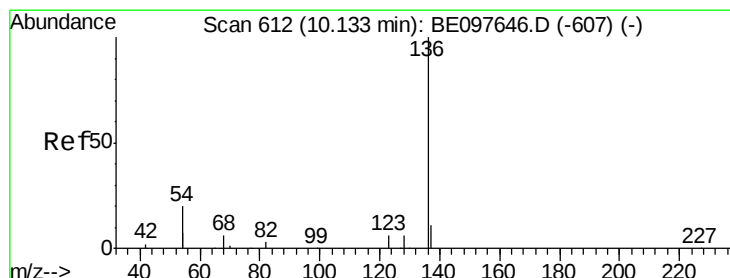
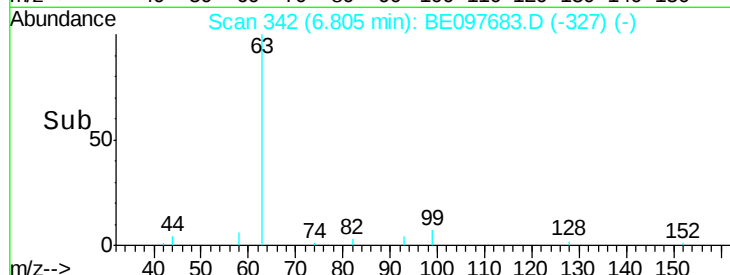
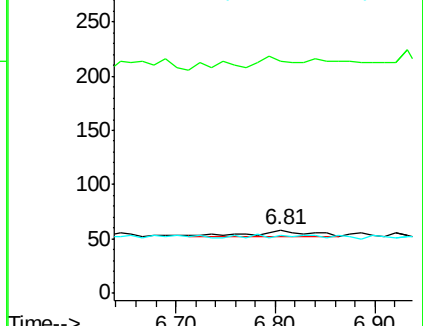
95 0.0 25.2 37.8#



Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.15 min Scan# 613

Delta R.T. 0.01 min

Lab File: BE097683.D

Acq: 26 Sep 2018 11:38

Tgt Ion: 136 Resp: 4153

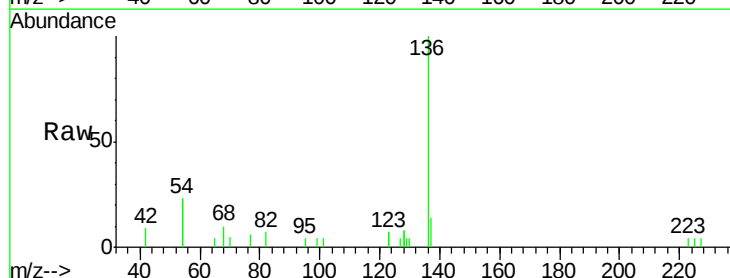
Ion Ratio Lower Upper

136 100

137 14.4 9.5 14.3#

54 46.5 29.1 43.7#

68 10.1 6.2 9.2#

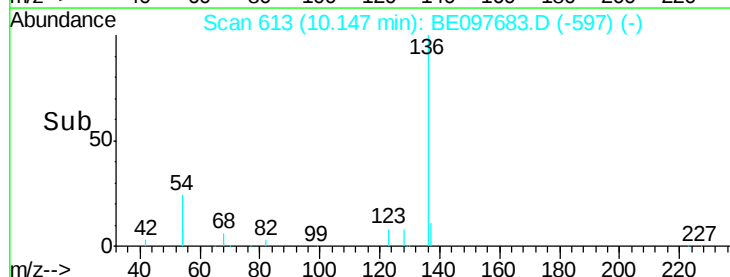
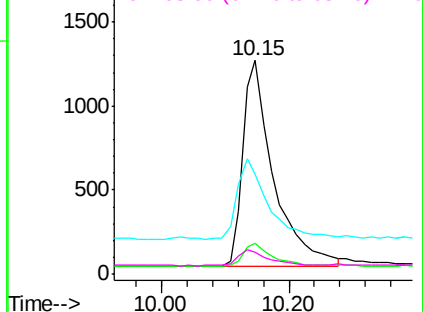


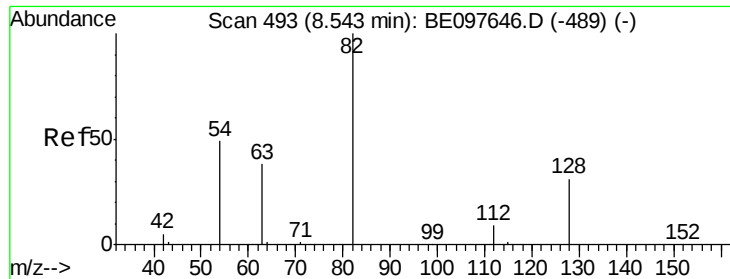
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.44 ng

RT: 8.57 min Scan# 495

Delta R.T. 0.02 min

Lab File: BE097683.D

Acq: 26 Sep 2018 11:38

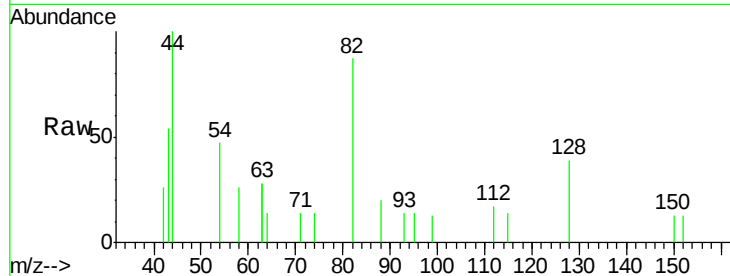
Tot Ion: 82 Resp: 1146

Ion Ratio Lower Upper

82 100

128 44.9 24.0 36.0#

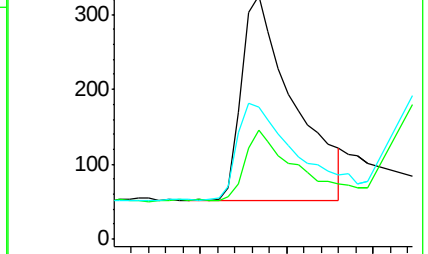
54 54.5 40.0 60.0



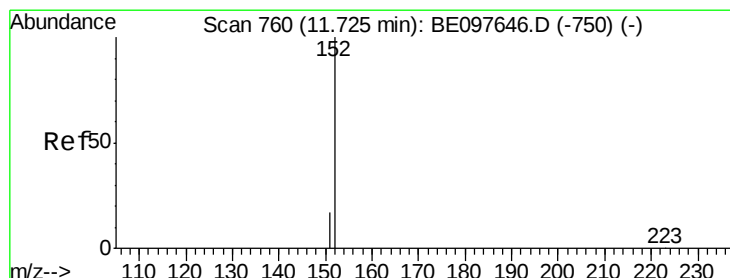
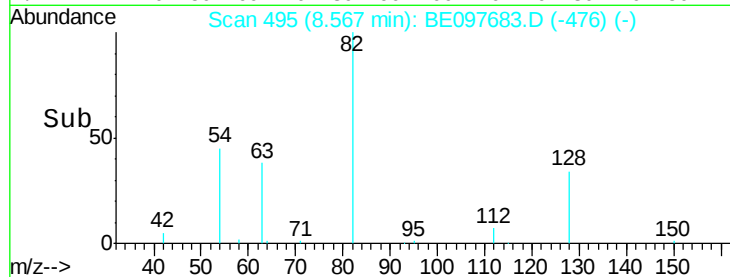
Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.43 ng

RT: 11.74 min Scan# 763

Delta R.T. 0.02 min

Lab File: BE097683.D

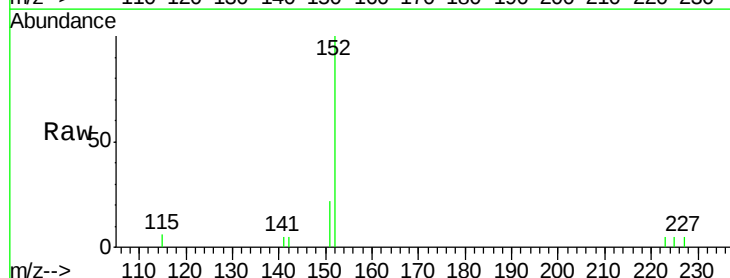
Acq: 26 Sep 2018 11:38

Tgt Ion: 152 Resp: 2635

Ion Ratio Lower Upper

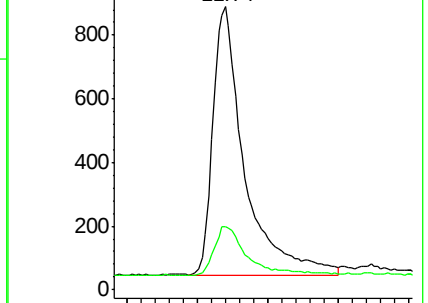
152 100

151 18.7 15.4 23.0

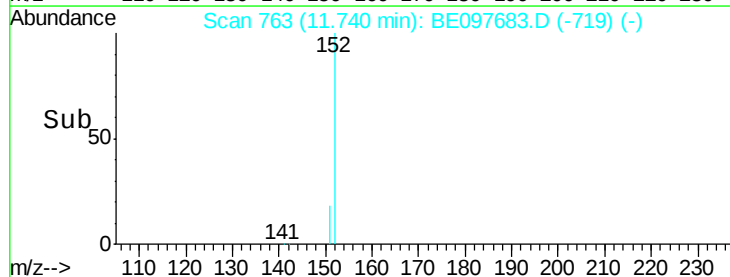


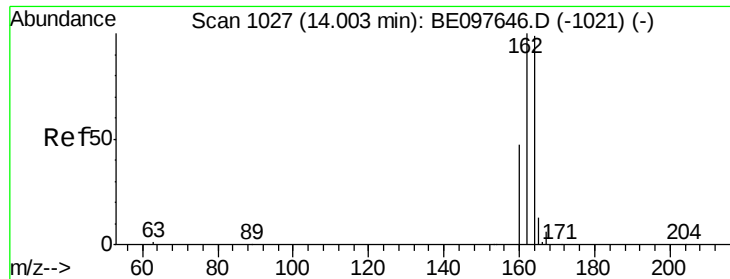
Abundance Ion 152.00 (151.70 to 152.70): BE0

Ion 151.00 (150.70 to 151.70): BE0



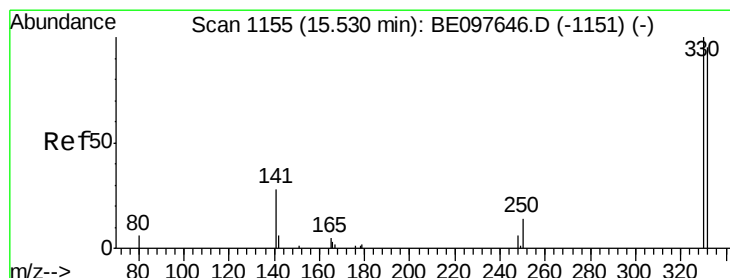
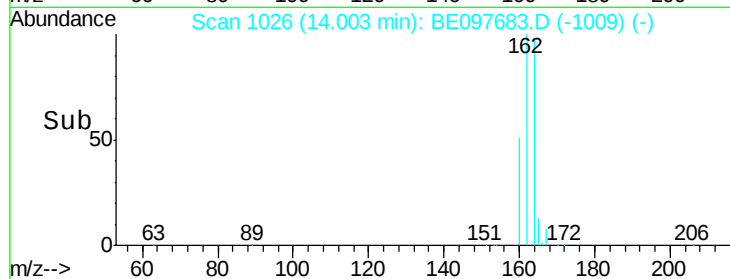
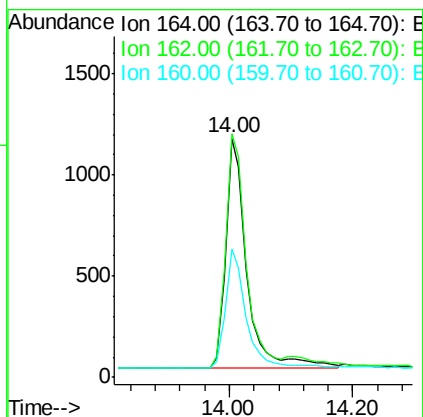
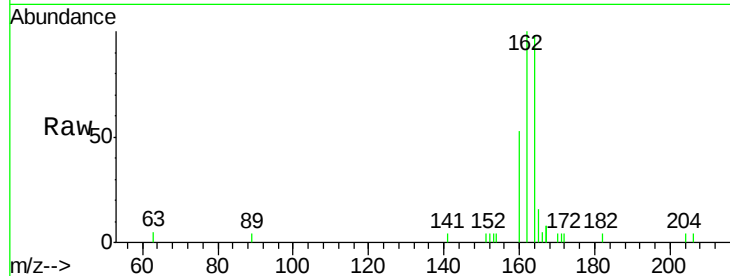
Time-->





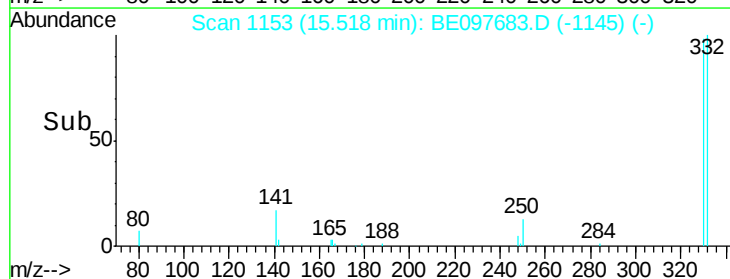
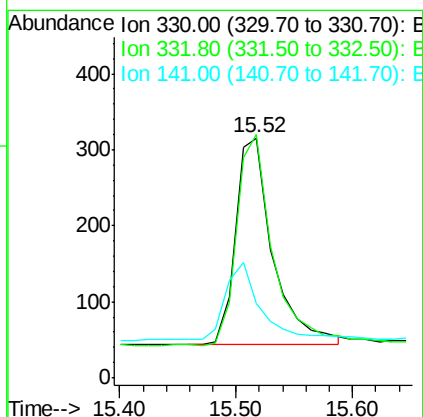
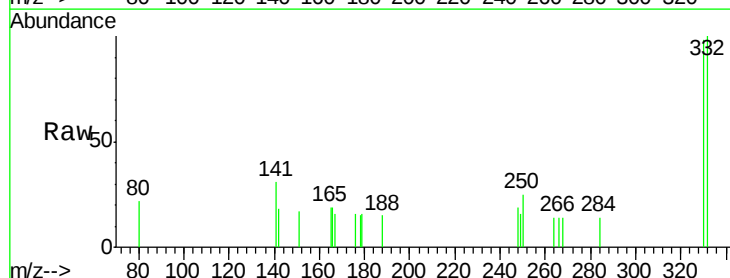
#13  
Acenaphthene-d10  
Concen: 0.40 ng  
RT: 14.00 min Scan# 1026  
Delta R.T. 0.00 min  
Lab File: BE097683.D  
Acq: 26 Sep 2018 11:38

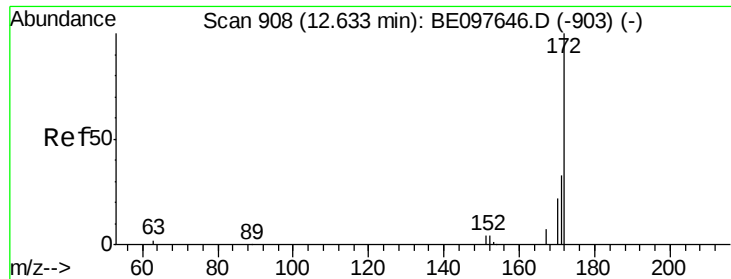
Tot Ion:164 Resp: 2694  
Ion Ratio Lower Upper  
164 100  
162 101.9 83.1 124.7  
160 53.5 37.1 55.7



#14  
2,4,6-Tribromophenol  
Concen: 0.53 ng  
RT: 15.52 min Scan# 1153  
Delta R.T. -0.01 min  
Lab File: BE097683.D  
Acq: 26 Sep 2018 11:38

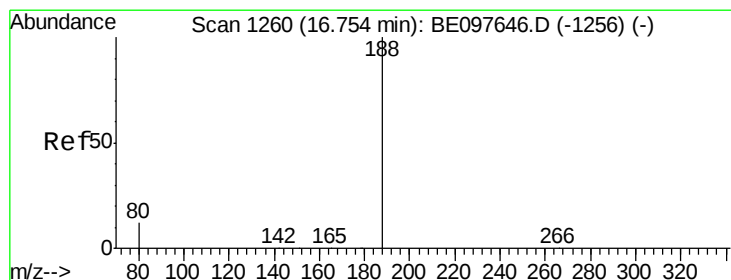
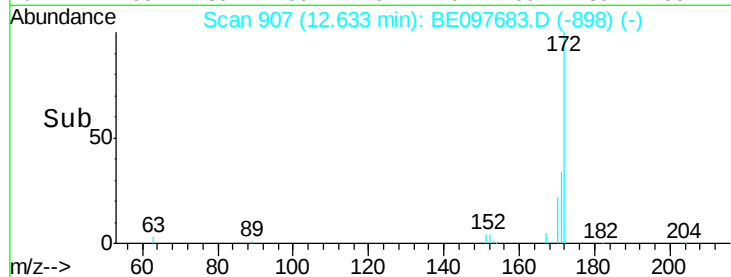
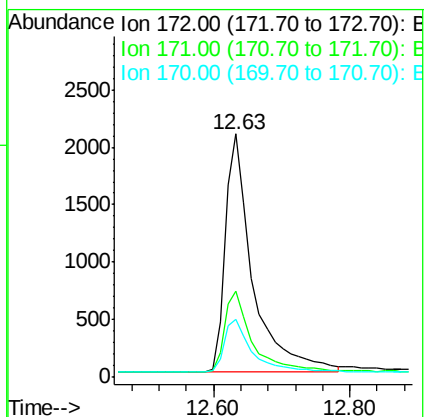
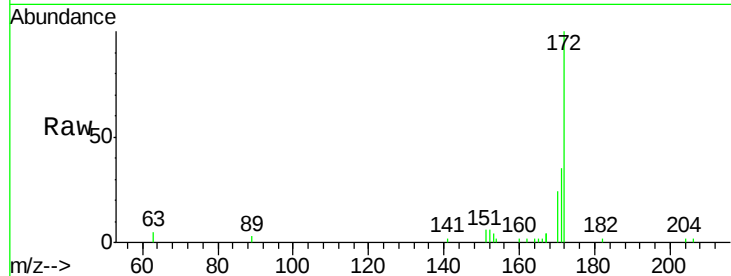
Tgt Ion:330 Resp: 606  
Ion Ratio Lower Upper  
330 100  
332 96.7 152.7 229.1#  
141 34.8 33.7 50.5





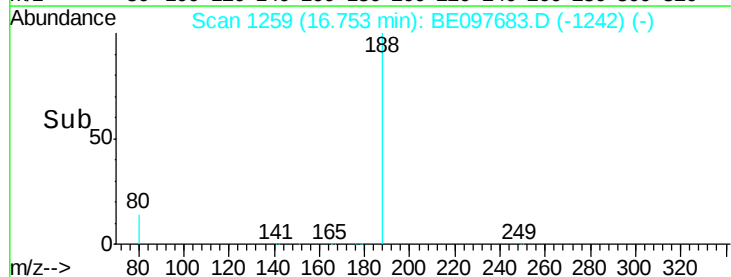
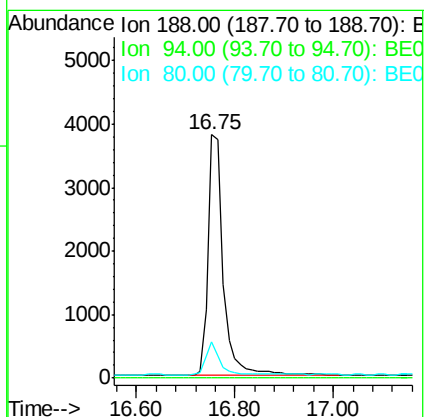
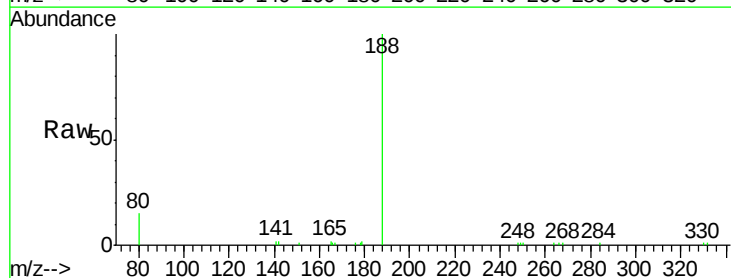
#15  
2-Fluorobiphenyl  
Concen: 0.67 ng  
RT: 12.63 min Scan# 907  
Delta R.T. 0.00 min  
Lab File: BE097683.D  
Acq: 26 Sep 2018 11:38

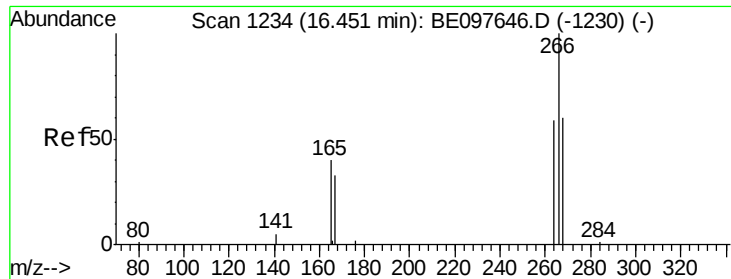
Tot Ion:172 Resp: 5868  
Ion Ratio Lower Upper  
172 100  
171 35.3 29.9 44.9  
170 24.1 21.8 32.8



#19  
Phenanthrene-d10  
Concen: 0.40 ng  
RT: 16.75 min Scan# 1259  
Delta R.T. -0.00 min  
Lab File: BE097683.D  
Acq: 26 Sep 2018 11:38

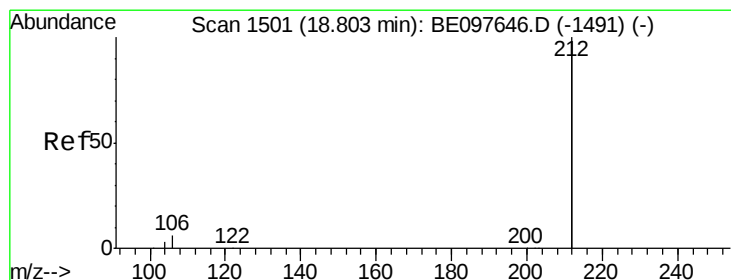
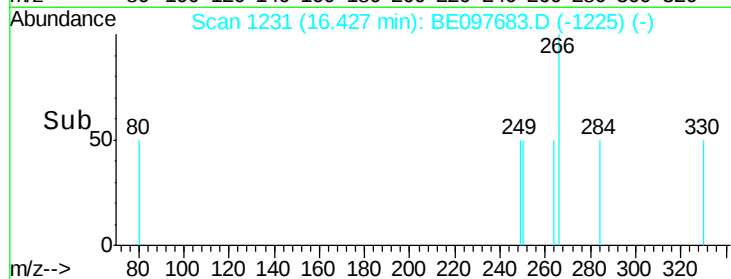
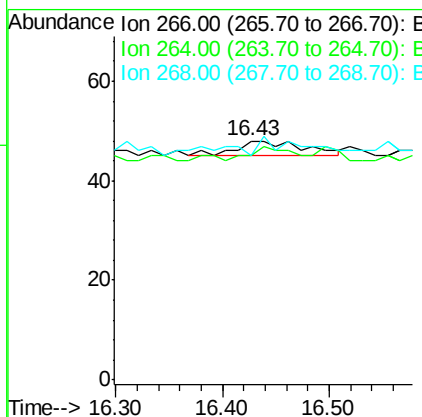
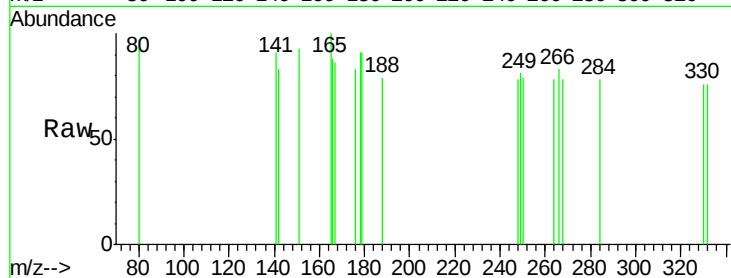
Tgt Ion:188 Resp: 8105  
Ion Ratio Lower Upper  
188 100  
94 0.0 3.9 5.9#  
80 14.9 3.6 5.4#





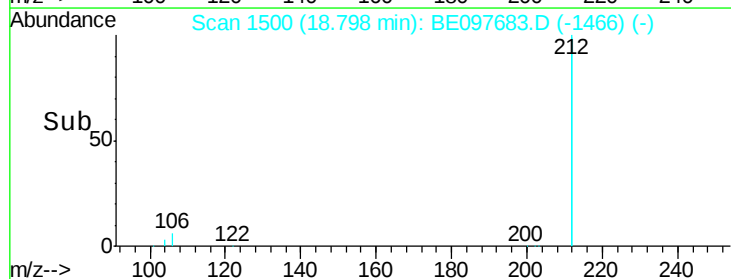
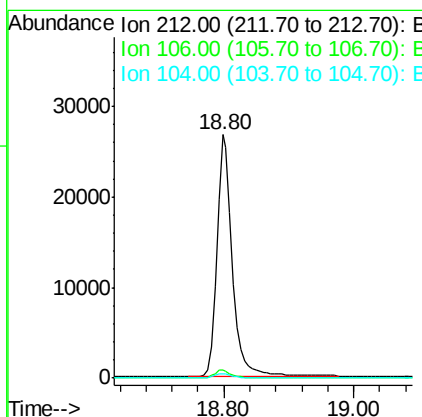
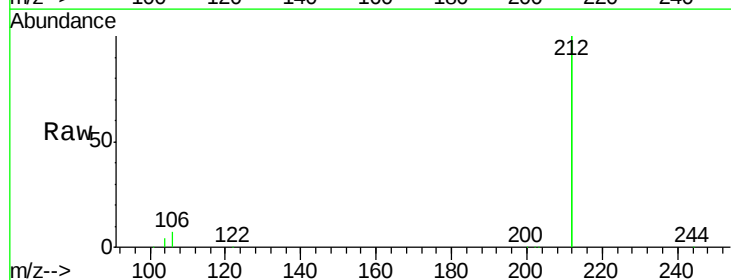
#22  
 Pentachlorophenol  
 Concen: 0.02 ng  
 RT: 16.43 min Scan# 1231  
 Delta R.T. -0.02 min  
 Lab File: BE097683.D  
 Acq: 26 Sep 2018 11:38

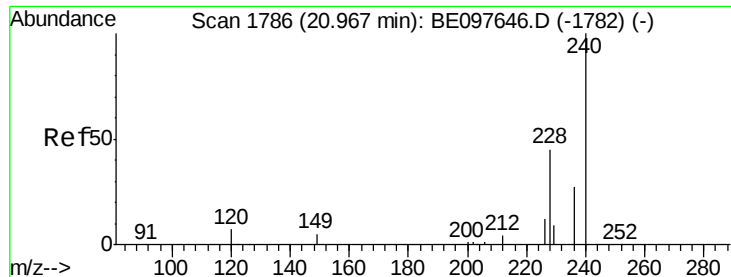
Tot Ion: 266 Resp: 13  
 Ion Ratio Lower Upper  
 266 100  
 264 93.8 72.5 108.7  
 268 93.8 73.8 110.6



#25  
 Fluoranthene-d10  
 Concen: 0.51 ng  
 RT: 18.80 min Scan# 1500  
 Delta R.T. -0.00 min  
 Lab File: BE097683.D  
 Acq: 26 Sep 2018 11:38

Tgt Ion: 212 Resp: 44967  
 Ion Ratio Lower Upper  
 212 100  
 106 3.2 2.8 4.2  
 104 1.7 1.6 2.4





#27

Chrysene-d12

Concen: 0.40 ng

RT: 20.97 min Scan# 1786

Delta R.T. 0.00 min

Lab File: BE097683.D

Acq: 26 Sep 2018 11:38

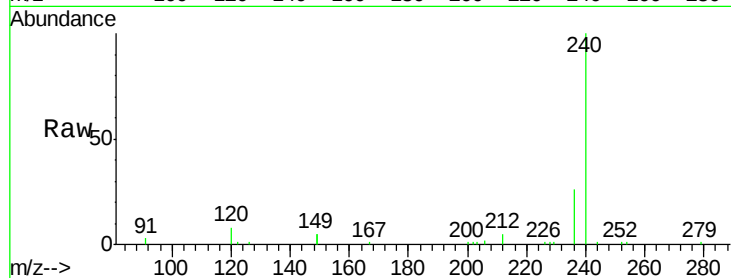
Tot Ion:240 Resp: 10169

Ion Ratio Lower Upper

240 100

120 7.5 5.5 8.3

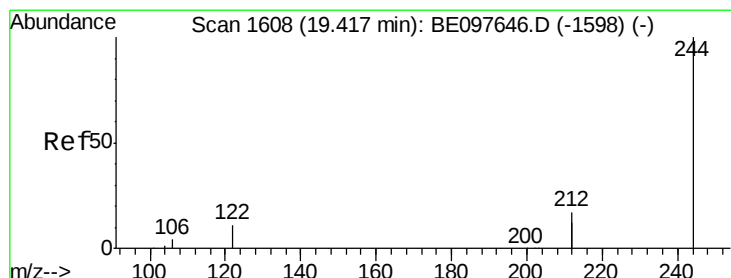
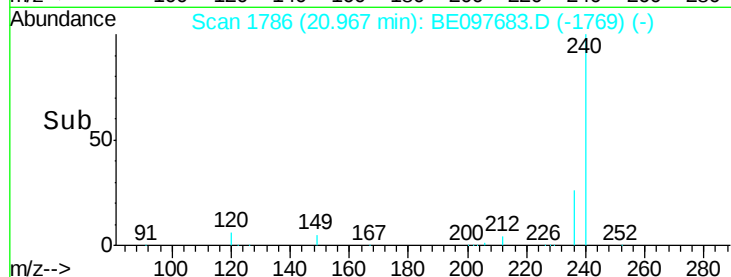
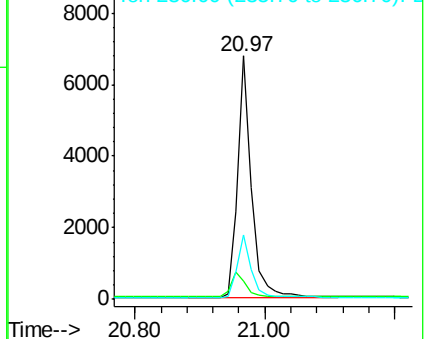
236 26.5 20.7 31.1



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: 0.58 ng

RT: 19.41 min Scan# 1607

Delta R.T. -0.00 min

Lab File: BE097683.D

Acq: 26 Sep 2018 11:38

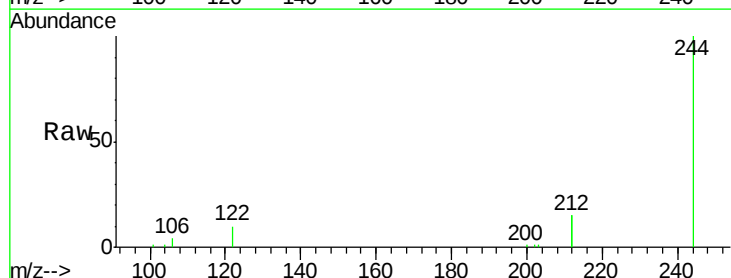
Tgt Ion:244 Resp: 11651

Ion Ratio Lower Upper

244 100

212 29.9 25.4 38.0

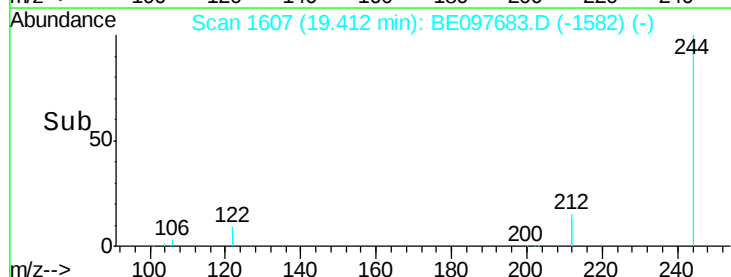
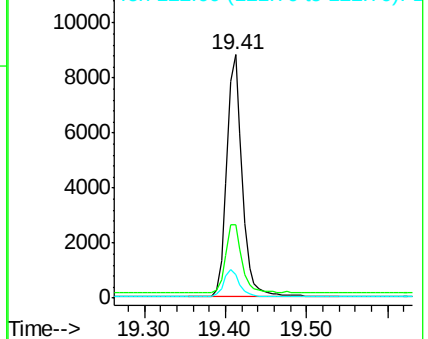
122 9.9 8.1 12.1

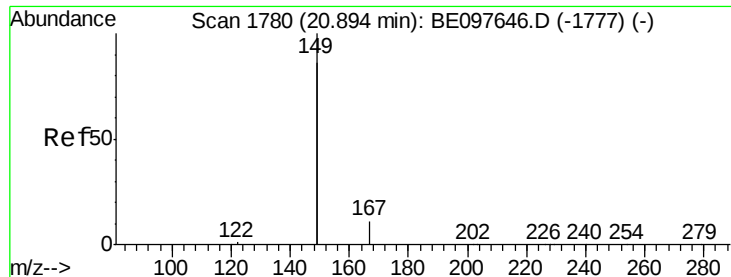


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.05 ng

RT: 20.89 min Scan# 1780

Delta R.T. 0.00 min

Lab File: BE097683.D

Acq: 26 Sep 2018 11:38

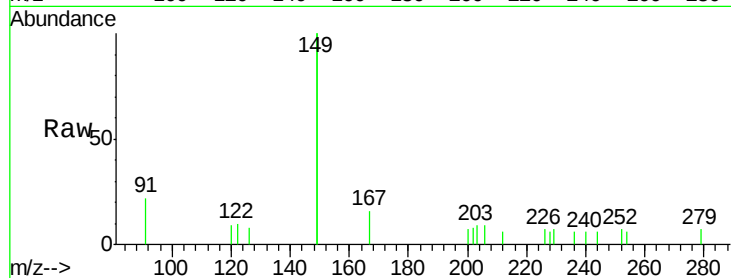
Tot Ion:149 Resp: 1415

Ion Ratio Lower Upper

149 100

167 7.2 5.4 8.0

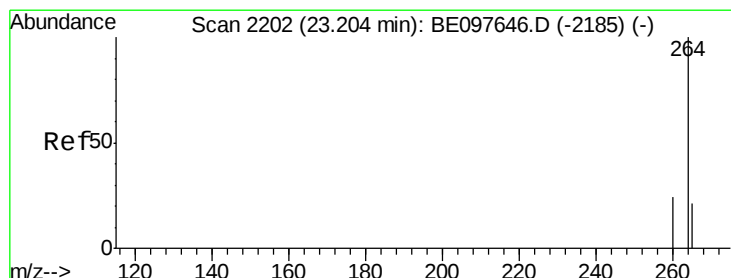
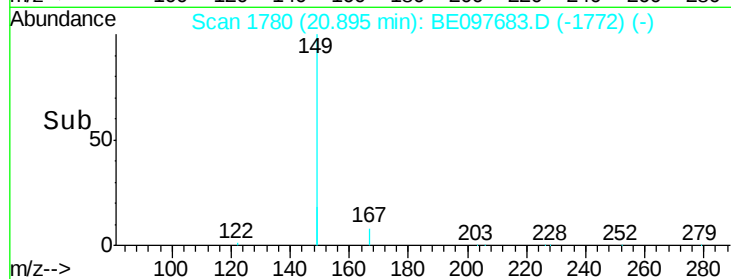
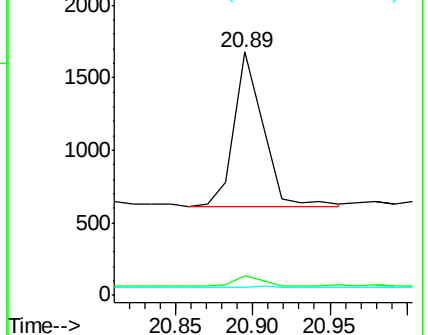
279 2.2 0.7 1.1#



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

Perylene-d12

Concen: 0.40 ng

RT: 23.20 min Scan# 2202

Delta R.T. 0.00 min

Lab File: BE097683.D

Acq: 26 Sep 2018 11:38

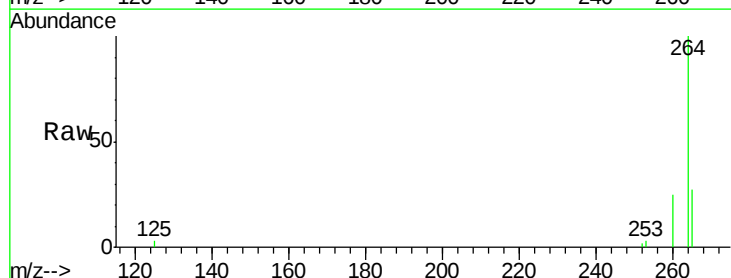
Tgt Ion:264 Resp: 9803

Ion Ratio Lower Upper

264 100

260 25.5 20.5 30.7

265 26.9 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

