

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_E\DATA\BE011018\  
 Data File : BE095067.D  
 Acq On : 10 Jan 2018 11:35  
 Operator : SJ/JU  
 Sample : PB105549BSD  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 10 13:06:38 2018

Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE121417.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jan 10 13:00:41 2018

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.46  | 152  | 7506     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 11.31 | 136  | 16345    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 15.05 | 164  | 8017     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.74 | 188  | 17887    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.84 | 240  | 18158    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 24.49 | 264  | 14719    | 0.40 | ng    | 0.00     |

#### System Monitoring Compounds

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| 4) 2-Fluorophenol           | 5.94  | 112 | 4173  | 0.36 | ng | 0.00 |
| 5) Phenol-d6                | 7.58  | 99  | 5799  | 0.33 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 9.63  | 82  | 5300  | 0.40 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.84 | 152 | 9479  | 0.35 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 16.50 | 330 | 545   | 0.29 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 13.68 | 172 | 15972 | 0.45 | ng | 0.00 |
| 25) Fluoranthene-d10        | 19.72 | 212 | 82372 | 0.36 | ng | 0.00 |
| 29) Terphenyl-d14           | 20.28 | 244 | 15771 | 0.46 | ng | 0.00 |

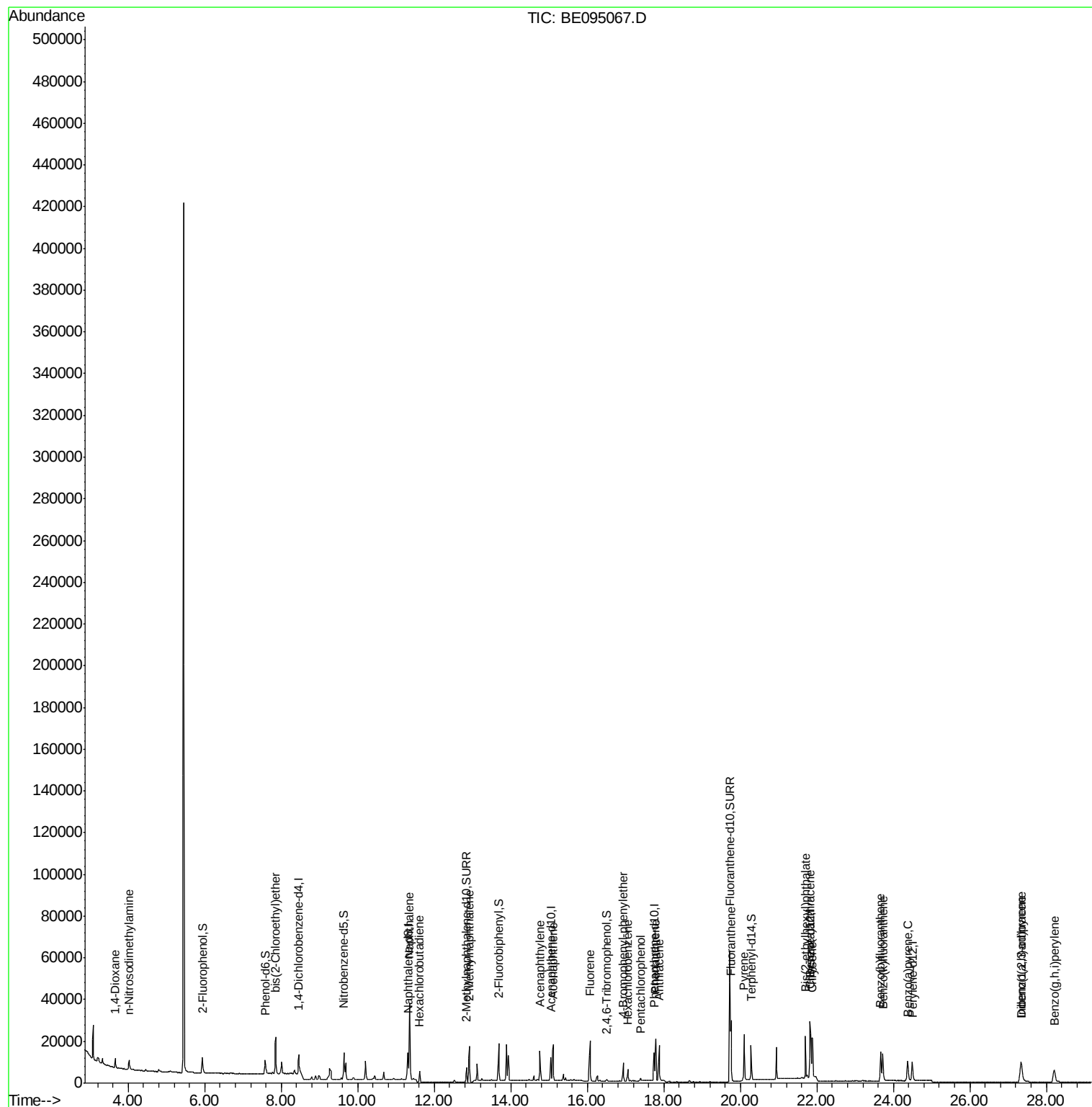
#### Target Compounds

|                                |       |     |       |       |    | Qvalue |
|--------------------------------|-------|-----|-------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.66  | 88  | 2470  | 0.334 | ng | # 48   |
| 3) n-Nitrosodimethylamine      | 4.02  | 42  | 3324  | 0.380 | ng | # 94   |
| 6) bis(2-Chloroethyl)ether     | 7.86  | 93  | 6581  | 0.389 | ng | 95     |
| 9) Naphthalene                 | 11.34 | 128 | 74105 | 0.386 | ng | 99     |
| 10) Hexachlorobutadiene        | 11.61 | 225 | 3443  | 0.395 | ng | 96     |
| 12) 2-Methylnaphthalene        | 12.91 | 142 | 16628 | 0.347 | ng | 98     |
| 16) Acenaphthylene             | 14.76 | 152 | 15601 | 0.364 | ng | 99     |
| 17) Acenaphthene               | 15.10 | 154 | 10406 | 0.366 | ng | 95     |
| 18) Fluorene                   | 16.07 | 166 | 13082 | 0.370 | ng | # 77   |
| 20) 4-Bromophenyl-phenylether  | 16.94 | 248 | 4121  | 0.394 | ng | # 87   |
| 21) Hexachlorobenzene          | 17.06 | 284 | 4171  | 0.390 | ng | # 84   |
| 22) Pentachlorophenol          | 17.40 | 266 | 987   | 0.452 | ng | # 77   |
| 23) Phenanthrene               | 17.79 | 178 | 21989 | 0.395 | ng | 98     |
| 24) Anthracene                 | 17.88 | 178 | 21858 | 0.382 | ng | # 92   |
| 26) Fluoranthene               | 19.75 | 202 | 26009 | 0.378 | ng | 98     |
| 28) Pyrene                     | 20.09 | 202 | 29417 | 0.478 | ng | 98     |
| 30) Benzo(a)anthracene         | 21.82 | 228 | 22418 | 0.422 | ng | # 62   |
| 31) Chrysene                   | 21.88 | 228 | 26415 | 0.442 | ng | # 62   |
| 32) Bis(2-ethylhexyl)phthalate | 21.70 | 149 | 23493 | 0.347 | ng | 99     |
| 33) Indeno(1,2,3-cd)pyrene     | 27.32 | 276 | 17685 | 0.364 | ng | 96     |
| 35) Benzo(b)fluoranthene       | 23.67 | 252 | 21175 | 0.392 | ng | # 90   |
| 36) Benzo(k)fluoranthene       | 23.72 | 252 | 21275 | 0.389 | ng | 95     |
| 37) Benzo(a)pyrene             | 24.37 | 252 | 18303 | 0.382 | ng | # 93   |
| 38) Dibenzo(a,h)anthracene     | 27.35 | 278 | 13519 | 0.304 | ng | 97     |
| 39) Benzo(g,h,i)perylene       | 28.20 | 276 | 17047 | 0.385 | ng | # 93   |

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

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_E\DATA\BE011018\  
Data File : BE095067.D  
Acq On : 10 Jan 2018 11:35  
Operator : SJ/JU  
Sample : PB105549BSD  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

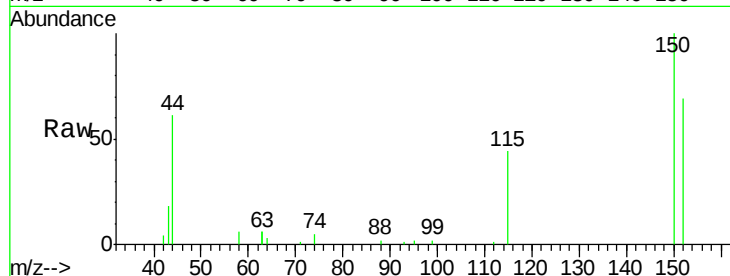
Quant Time: Jan 10 13:06:38 2018  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE121417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jan 10 13:00:41 2018  
Response via : Initial Calibration



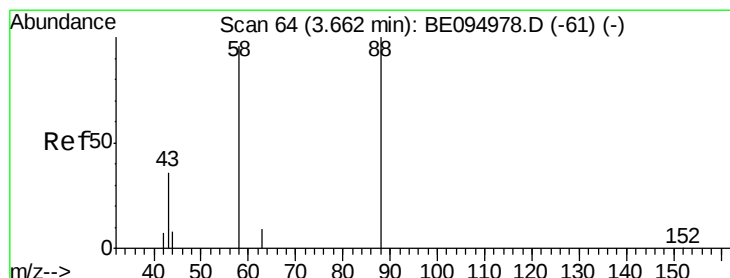
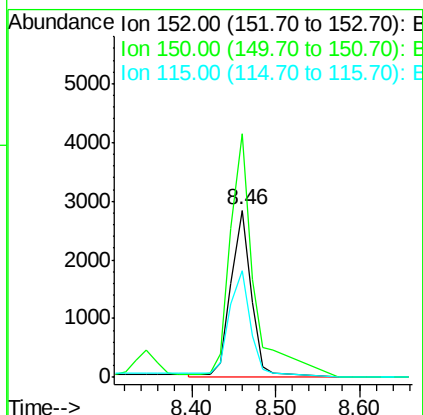
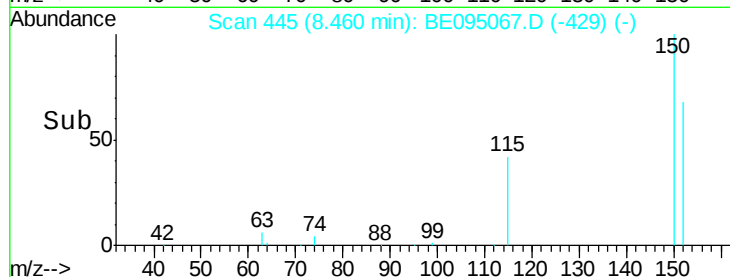


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 8.46 min Scan# 445  
 Delta R.T. 0.00 min  
 Lab File: BE095067.D  
 Acq: 10 Jan 2018 11:35

Tgt Ion: 152 Resp: 7506  
 Ion Ratio Lower Upper  
 152 100  
 150 145.5 117.2 175.8  
 115 63.4 57.0 85.6

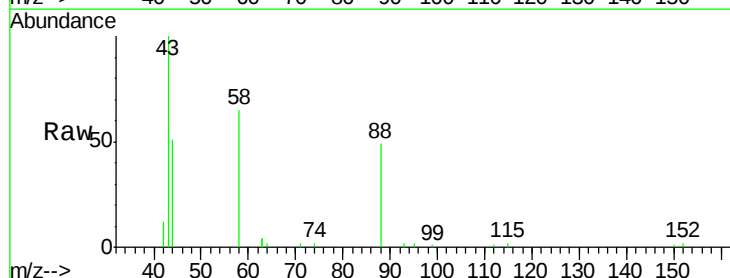


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

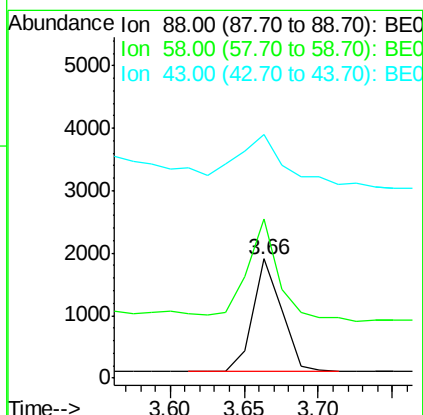
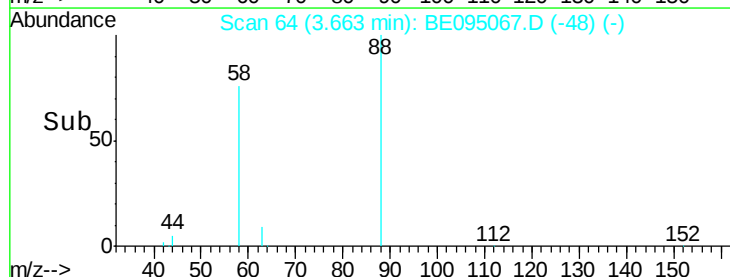


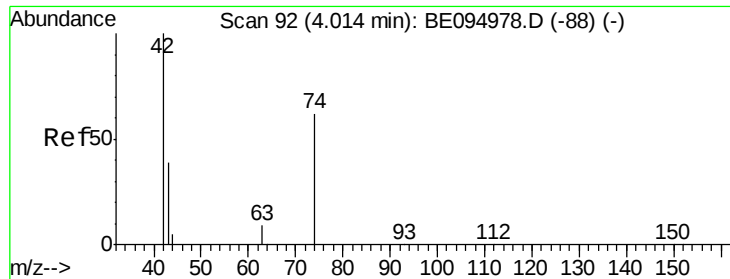
#2  
 1,4-Dioxane  
 Concen: 0.334 ng  
 RT: 3.66 min Scan# 64  
 Delta R.T. 0.00 min  
 Lab File: BE095067.D  
 Acq: 10 Jan 2018 11:35

Tgt Ion: 88 Resp: 2470  
 Ion Ratio Lower Upper  
 88 100  
 58 112.1 63.2 94.8#  
 43 103.5 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

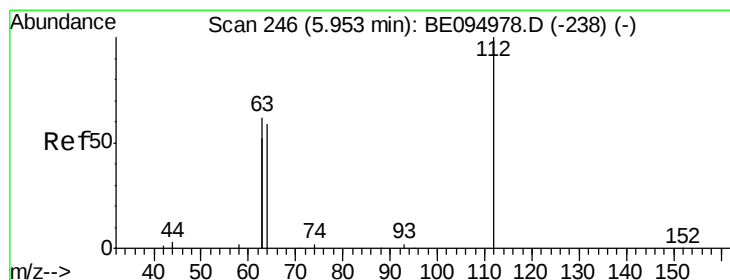
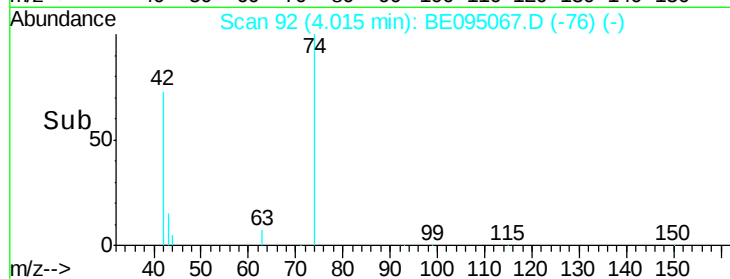
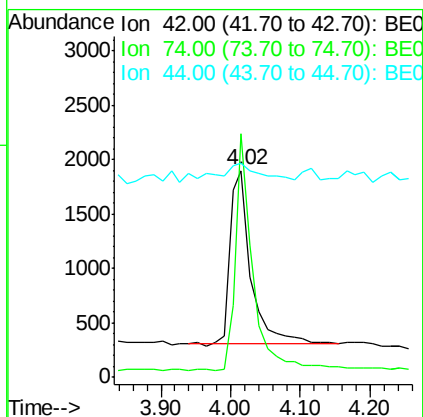
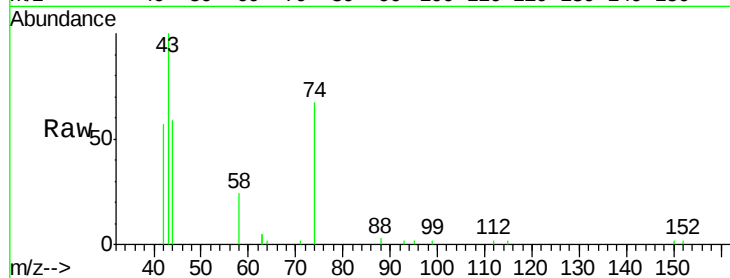




#3

n-Nitrosodimethylamine  
 Concen: 0.380 ng  
 RT: 4.02 min Scan# 92  
 Delta R.T. 0.00 min  
 Lab File: BE095067.D  
 Acq: 10 Jan 2018 11:35

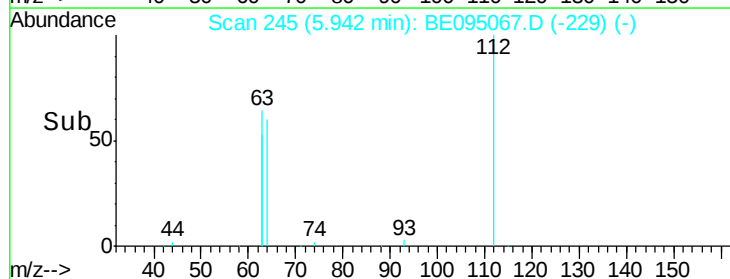
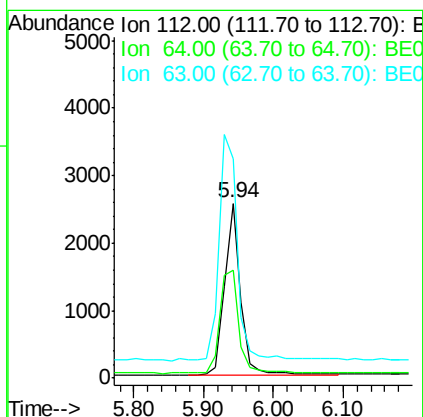
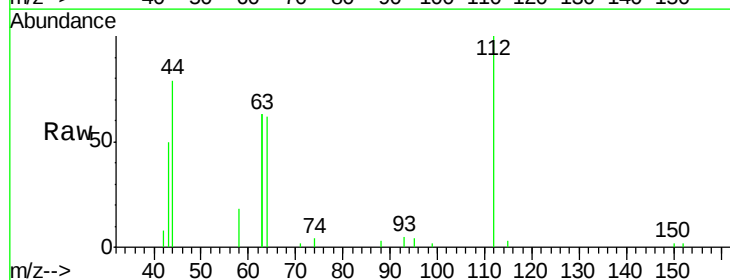
Tgt Ion: 42 Resp: 3324  
 Ion Ratio Lower Upper  
 42 100  
 74 115.7 96.0 144.0  
 44 23.2 12.0 18.0#

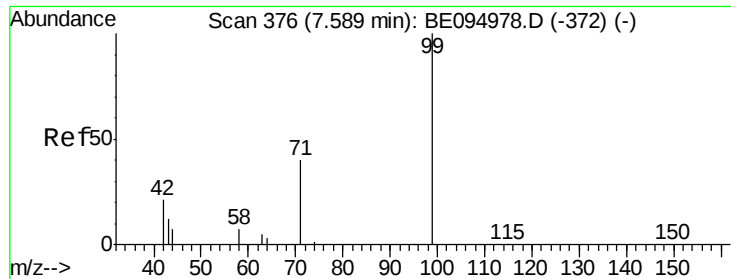


#4

2-Fluorophenol  
 Concen: 0.358 ng  
 RT: 5.94 min Scan# 245  
 Delta R.T. 0.00 min  
 Lab File: BE095067.D  
 Acq: 10 Jan 2018 11:35

Tgt Ion: 112 Resp: 4173  
 Ion Ratio Lower Upper  
 112 100  
 64 70.5 60.1 90.1  
 63 151.7 116.8 175.2





#5

Phenol-d6

Concen: 0.335 ng

RT: 7.58 min Scan# 375

Delta R.T. 0.00 min

Lab File: BE095067.D

Acq: 10 Jan 2018 11:35

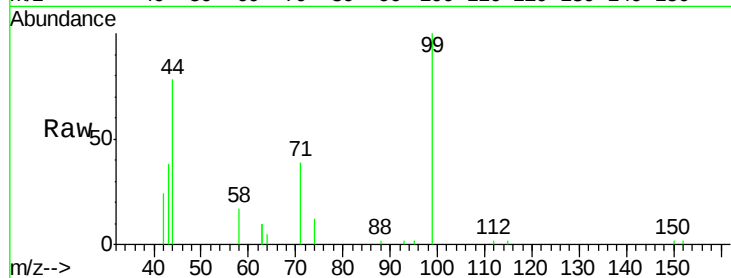
Tgt Ion: 99 Resp: 5799

Ion Ratio Lower Upper

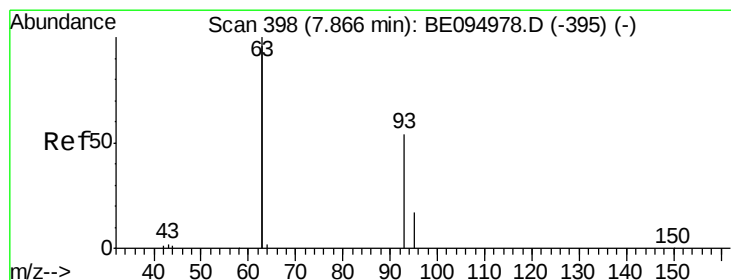
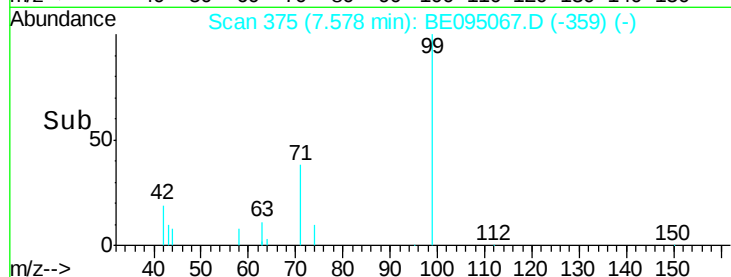
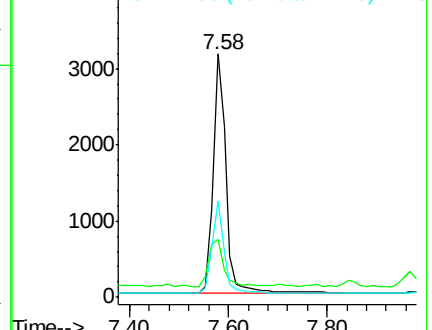
99 100

42 23.2 20.2 30.2

71 35.6 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: 0.389 ng

RT: 7.86 min Scan# 397

Delta R.T. 0.00 min

Lab File: BE095067.D

Acq: 10 Jan 2018 11:35

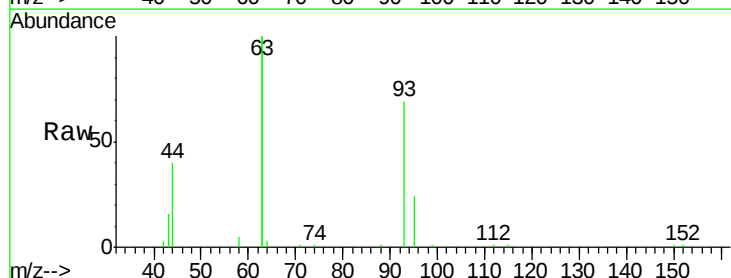
Tgt Ion: 93 Resp: 6581

Ion Ratio Lower Upper

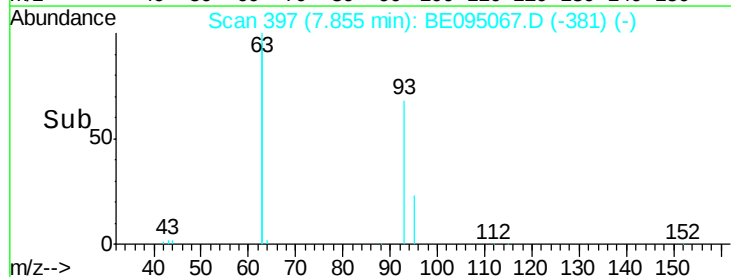
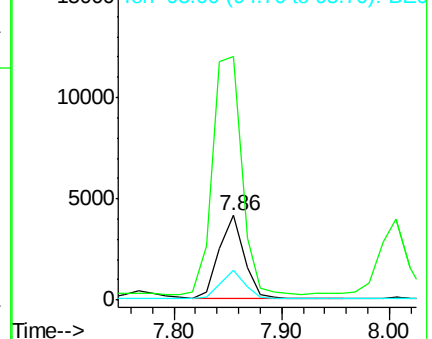
93 100

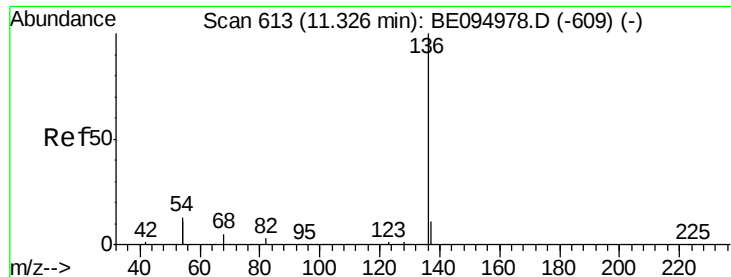
63 333.3 275.3 412.9

95 32.5 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: 0.400 ng

RT: 11.31 min Scan# 612

Delta R.T. 0.00 min

Lab File: BE095067.D

Acq: 10 Jan 2018 11:35

Tgt Ion: 136 Resp: 16345

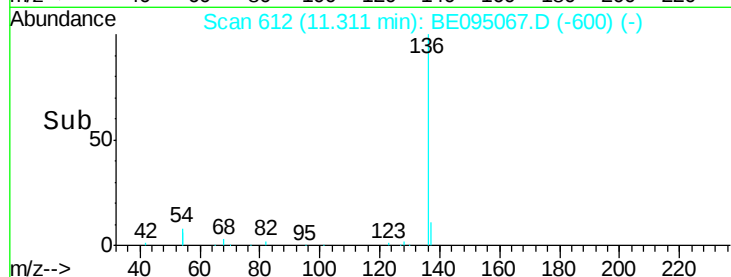
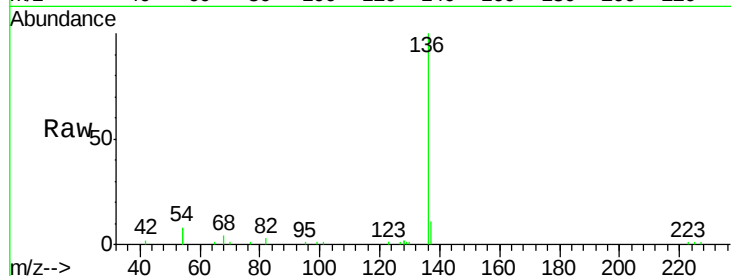
Ion Ratio Lower Upper

136 100

137 11.5 9.5 14.3

54 16.8 29.1 43.7#

68 4.0 6.2 9.2#



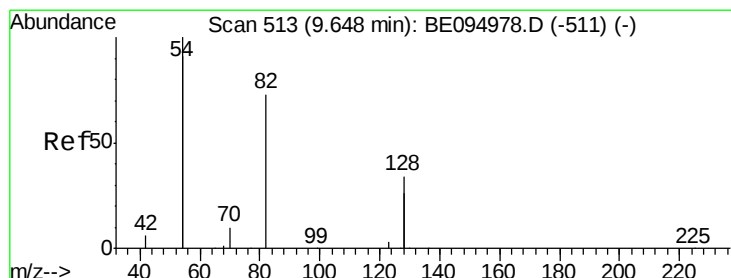
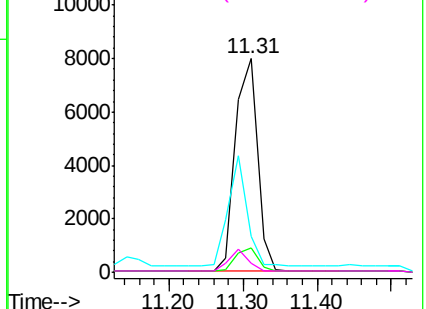
Abundance

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: 0.395 ng

RT: 9.63 min Scan# 512

Delta R.T. 0.00 min

Lab File: BE095067.D

Acq: 10 Jan 2018 11:35

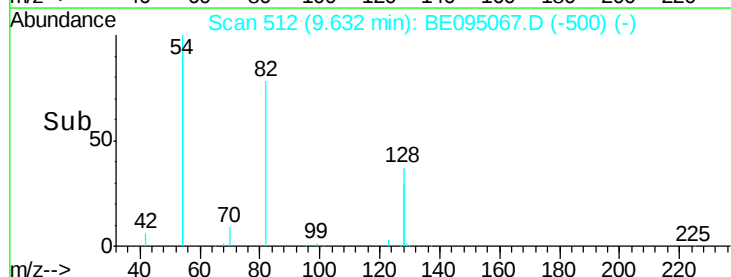
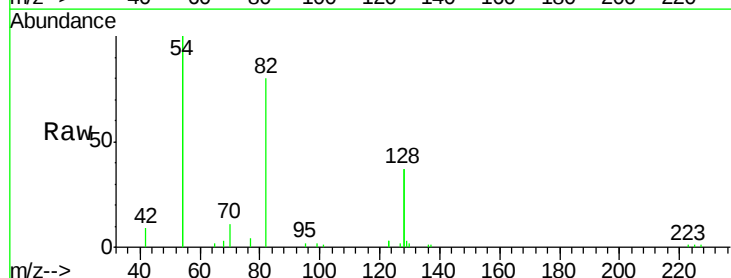
Tgt Ion: 82 Resp: 5300

Ion Ratio Lower Upper

82 100

128 93.0 150.0 225.0#

54 250.4 154.2 231.4#

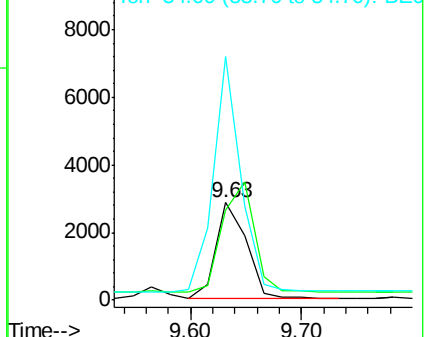


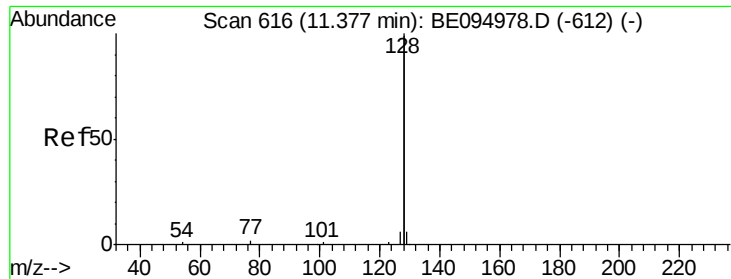
Abundance

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: 0.386 ng

RT: 11.34 min Scan# 614

Delta R.T. -0.02 min

Lab File: BE095067.D

Acq: 10 Jan 2018 11:35

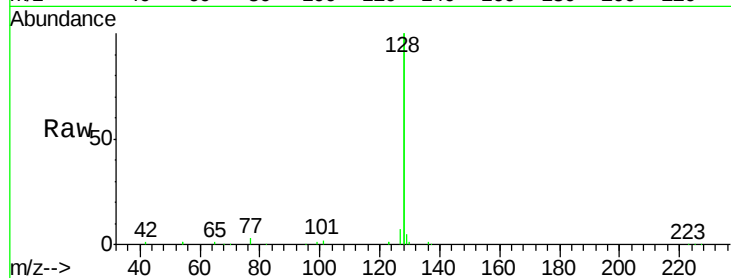
Tgt Ion:128 Resp: 74105

Ion Ratio Lower Upper

128 100

129 2.7 2.6 3.8

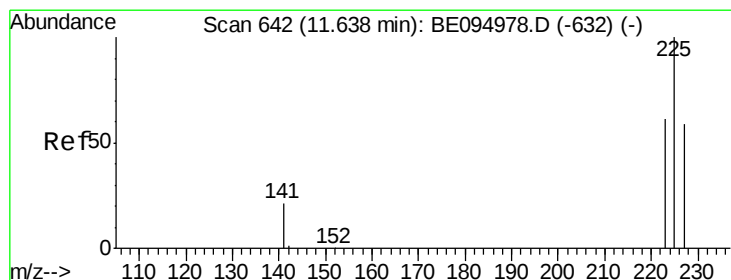
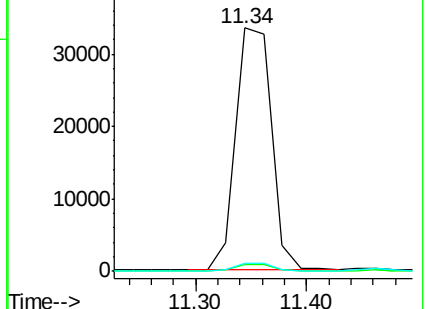
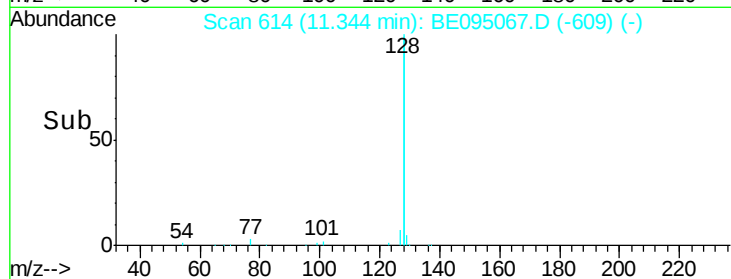
127 3.6 2.8 4.2



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



#10

Hexachlorobutadiene

Concen: 0.395 ng

RT: 11.61 min Scan# 638

Delta R.T. -0.00 min

Lab File: BE095067.D

Acq: 10 Jan 2018 11:35

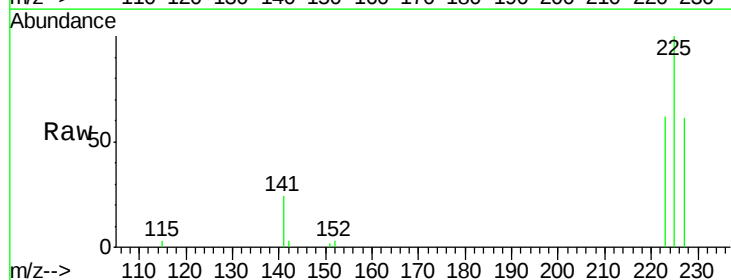
Tgt Ion:225 Resp: 3443

Ion Ratio Lower Upper

225 100

223 62.1 53.0 79.6

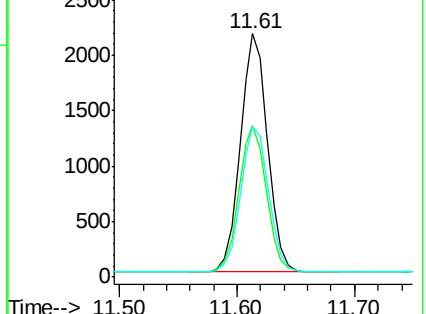
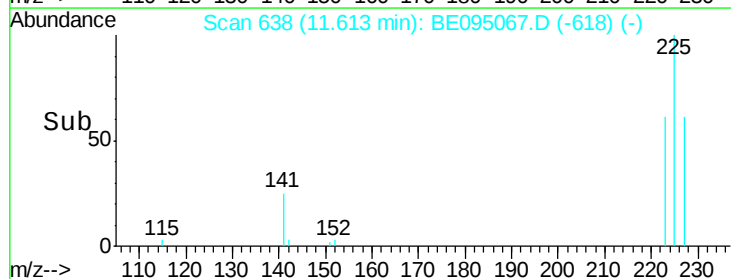
227 62.7 51.4 77.2

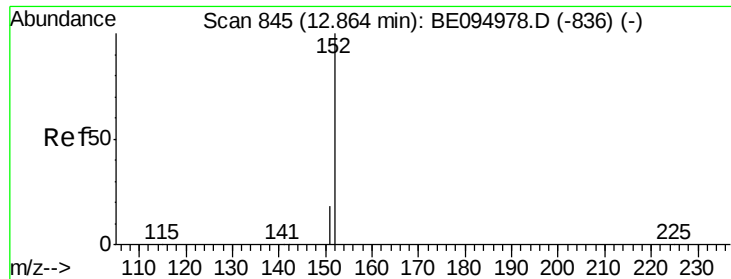


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

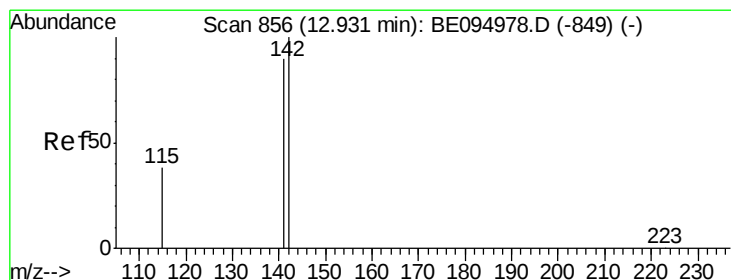
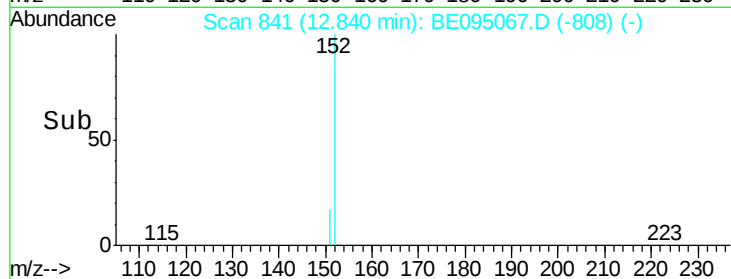
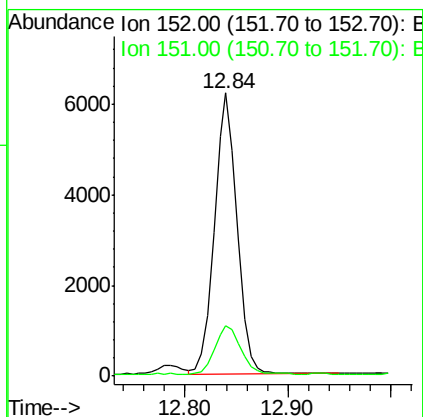
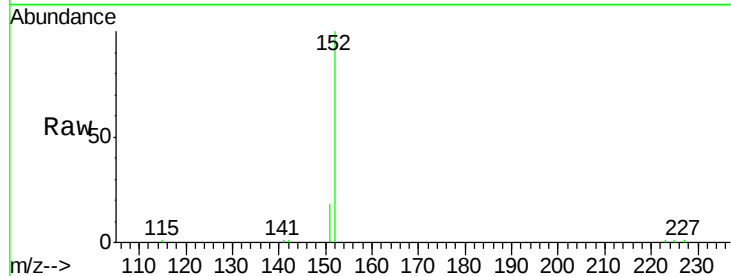
Ion 227.00 (226.70 to 227.70): E





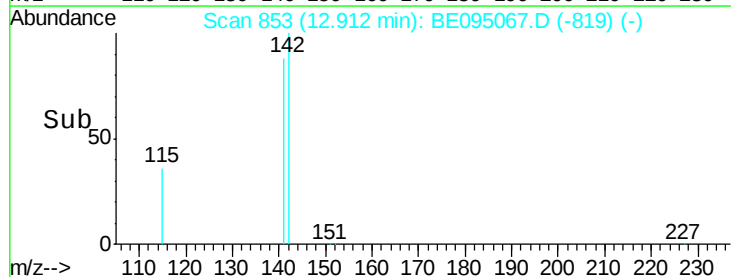
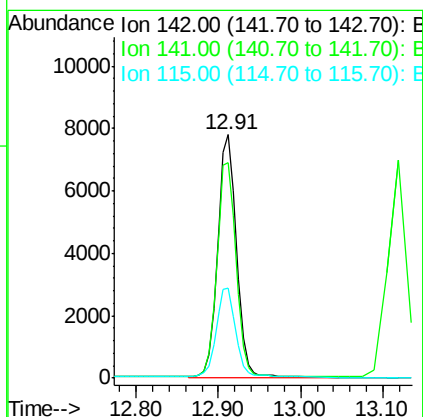
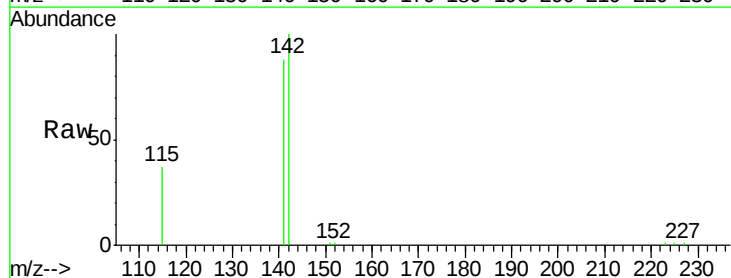
#11  
 2-Methylnaphthalene-d10  
 Concen: 0.354 ng  
 RT: 12.84 min Scan# 841  
 Delta R.T. -0.00 min  
 Lab File: BE095067.D  
 Acq: 10 Jan 2018 11:35

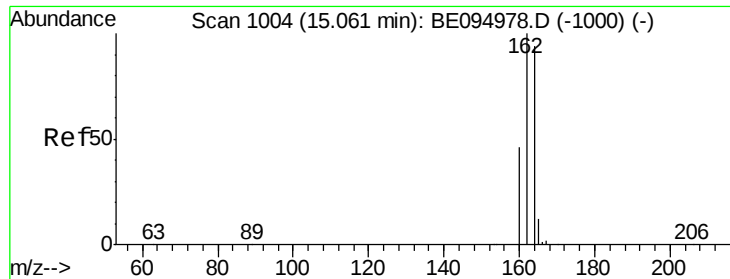
Tgt Ion: 152 Resp: 9479  
 Ion Ratio Lower Upper  
 152 100  
 151 19.4 15.4 23.0



#12  
 2-Methylnaphthalene  
 Concen: 0.347 ng  
 RT: 12.91 min Scan# 853  
 Delta R.T. 0.00 min  
 Lab File: BE095067.D  
 Acq: 10 Jan 2018 11:35

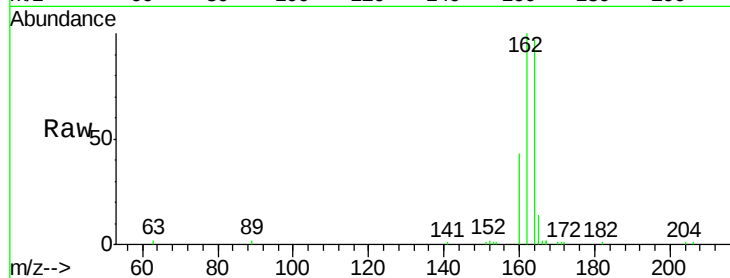
Tgt Ion: 142 Resp: 16628  
 Ion Ratio Lower Upper  
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 141 88.3 70.4 105.6  
 115 36.9 31.7 47.5



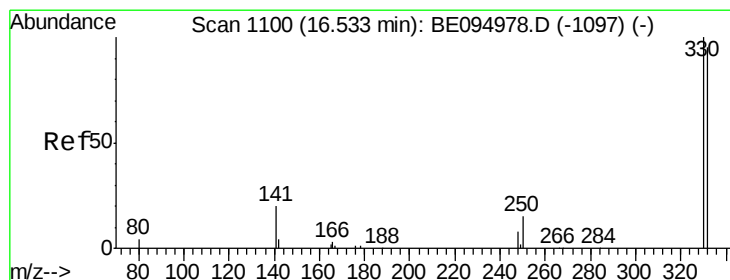
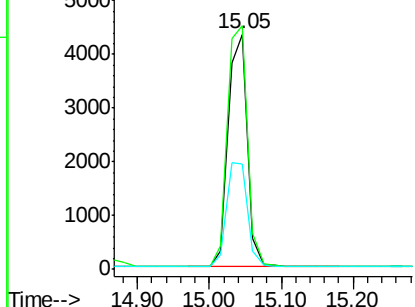
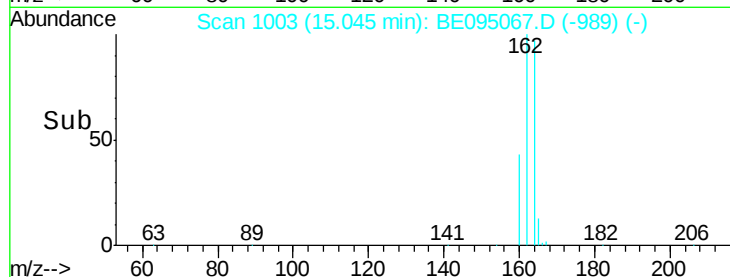


#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 15.05 min Scan# 1003  
 Delta R.T. 0.00 min  
 Lab File: BE095067.D  
 Acq: 10 Jan 2018 11:35

Tgt Ion: 164 Resp: 8017  
 Ion Ratio Lower Upper  
 164 100  
 162 103.6 83.1 124.7  
 160 44.9 37.1 55.7

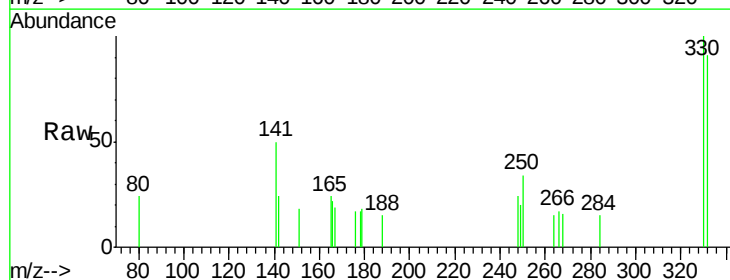


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

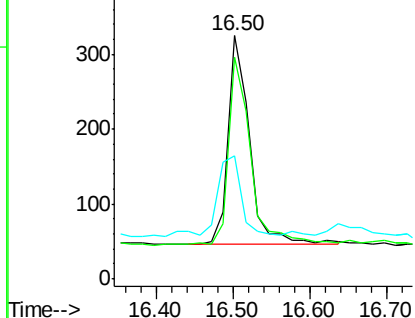
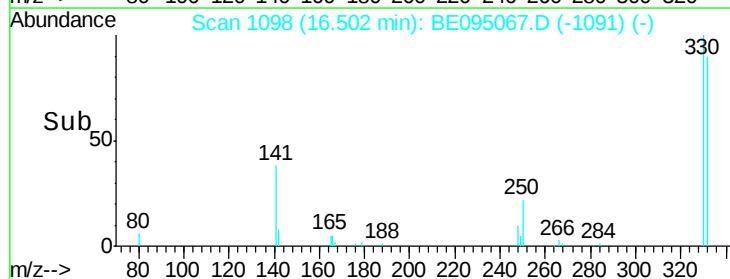


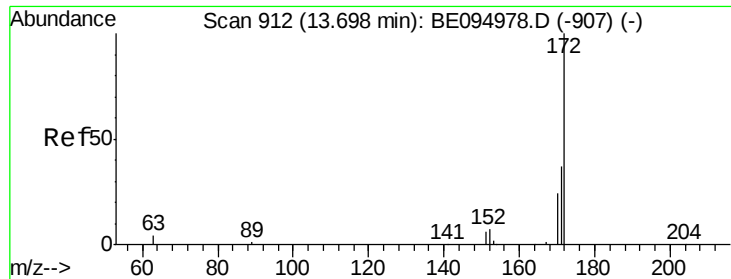
#14  
 2,4,6-Tribromophenol  
 Concen: 0.293 ng  
 RT: 16.50 min Scan# 1098  
 Delta R.T. 0.00 min  
 Lab File: BE095067.D  
 Acq: 10 Jan 2018 11:35

Tgt Ion: 330 Resp: 545  
 Ion Ratio Lower Upper  
 330 100  
 332 91.6 152.7 229.1#  
 141 39.8 33.7 50.5



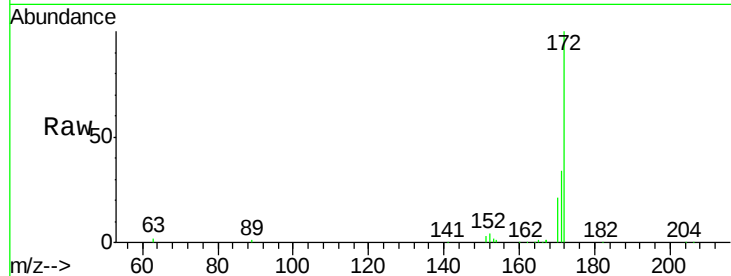
Abundance Ion 330.00 (329.70 to 330.70): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E



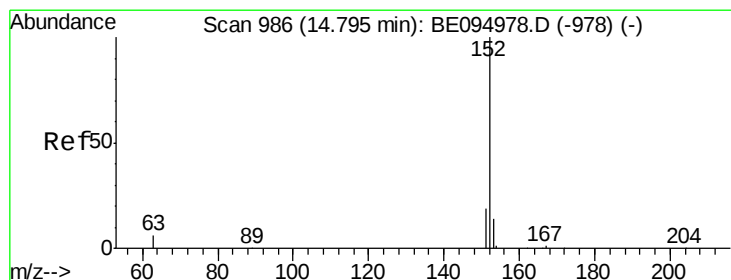
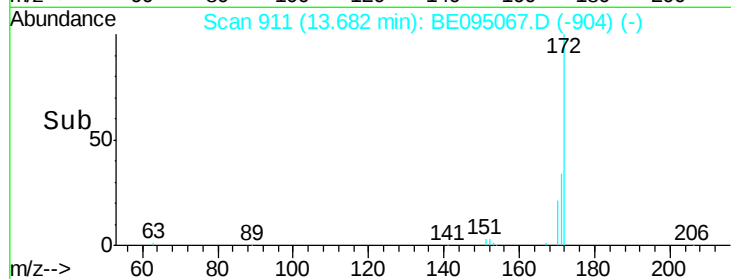
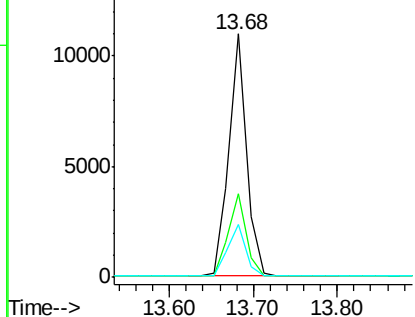


#15  
2-Fluorobiphenyl  
Concen: 0.450 ng  
RT: 13.68 min Scan# 911  
Delta R.T. 0.00 min  
Lab File: BE095067.D  
Acq: 10 Jan 2018 11:35

Tgt Ion:172 Resp: 15972  
Ion Ratio Lower Upper  
172 100  
171 34.4 29.9 44.9  
170 21.5 21.8 32.8#

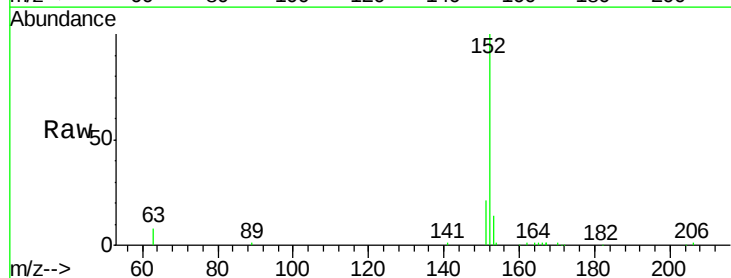


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

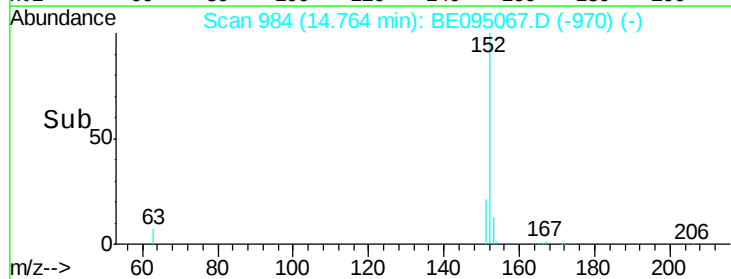
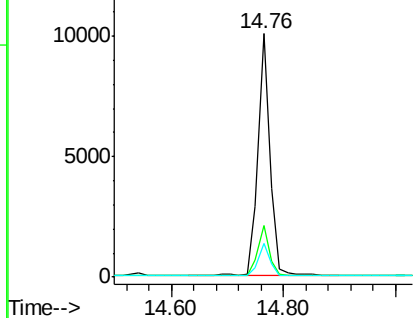


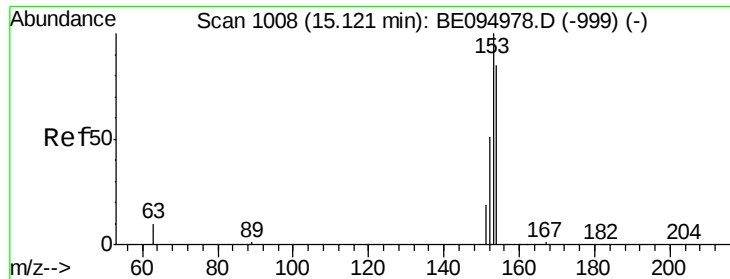
#16  
Acenaphthylene  
Concen: 0.364 ng  
RT: 14.76 min Scan# 984  
Delta R.T. 0.00 min  
Lab File: BE095067.D  
Acq: 10 Jan 2018 11:35

Tgt Ion:152 Resp: 15601  
Ion Ratio Lower Upper  
152 100  
151 20.2 15.7 23.5  
153 13.2 10.5 15.7



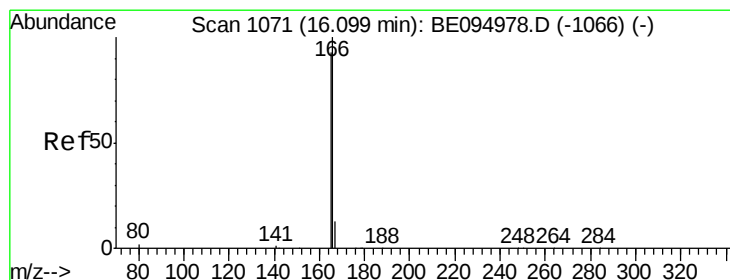
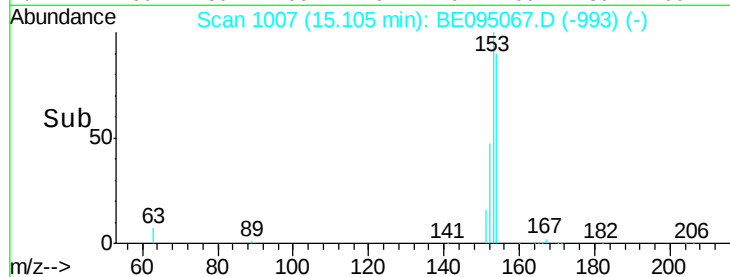
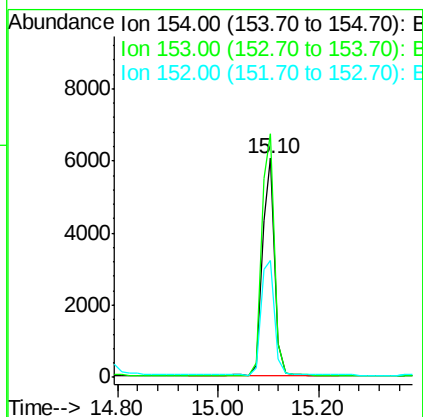
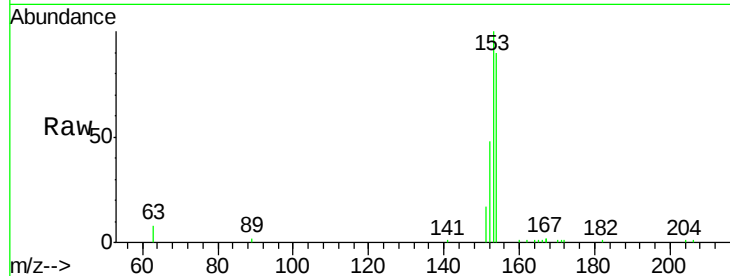
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E  
Ion 153.00 (152.70 to 153.70): E





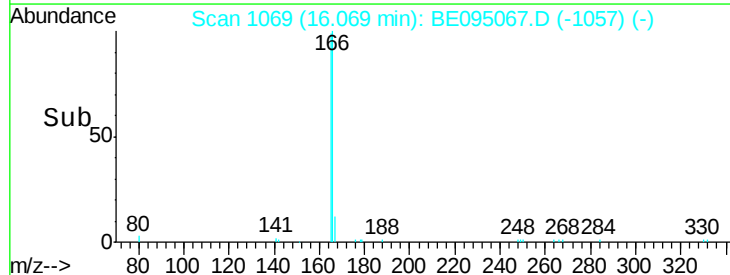
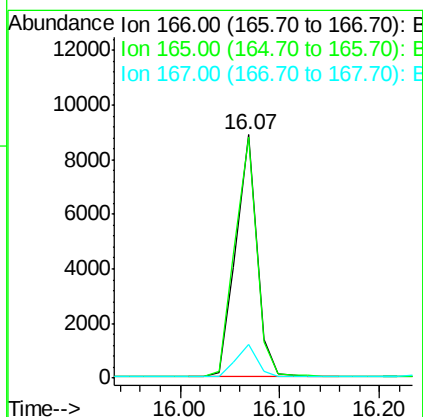
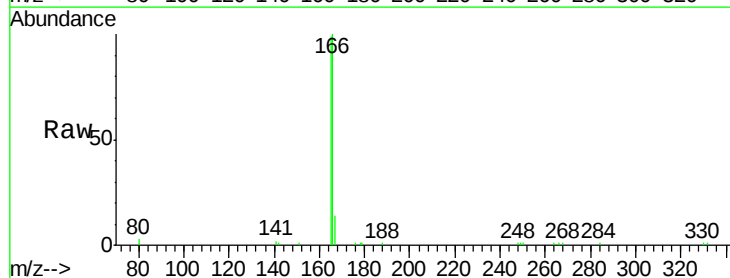
#17  
Acenaphthene  
Concen: 0.366 ng  
RT: 15.10 min Scan# 1007  
Delta R.T. 0.00 min  
Lab File: BE095067.D  
Acq: 10 Jan 2018 11:35

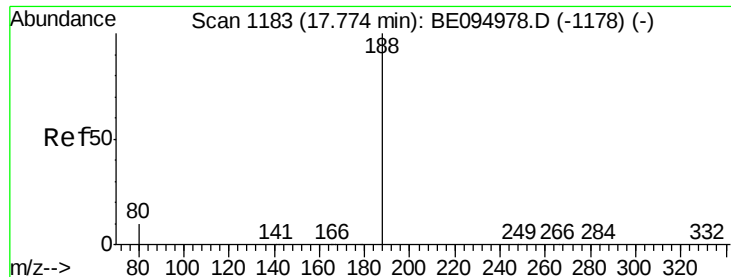
Tgt Ion:154 Resp: 10406  
Ion Ratio Lower Upper  
154 100  
153 115.9 89.2 133.8  
152 58.2 42.0 63.0



#18  
Fluorene  
Concen: 0.370 ng  
RT: 16.07 min Scan# 1069  
Delta R.T. 0.00 min  
Lab File: BE095067.D  
Acq: 10 Jan 2018 11:35

Tgt Ion:166 Resp: 13082  
Ion Ratio Lower Upper  
166 100  
165 101.8 77.8 116.6  
167 13.5 42.4 63.6#





#19

Phenanthrene-d10

Concen: 0.400 ng

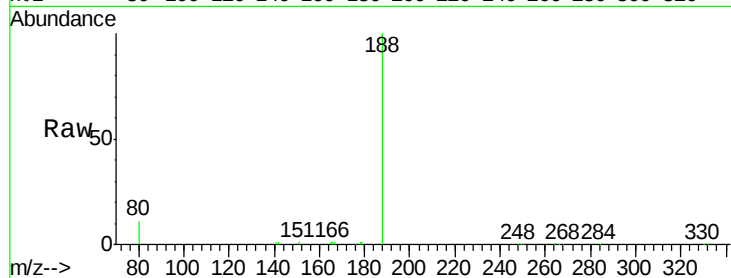
RT: 17.74 min Scan# 1181

Delta R.T. 0.00 min

Lab File: BE095067.D

Acq: 10 Jan 2018 11:35

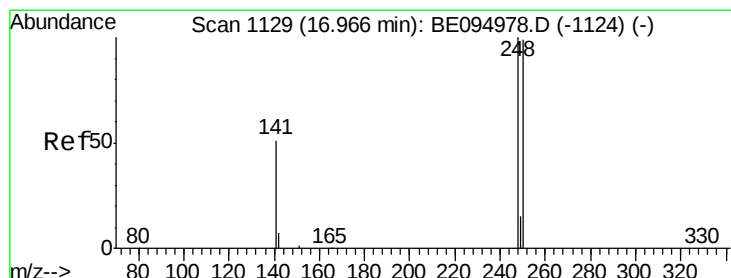
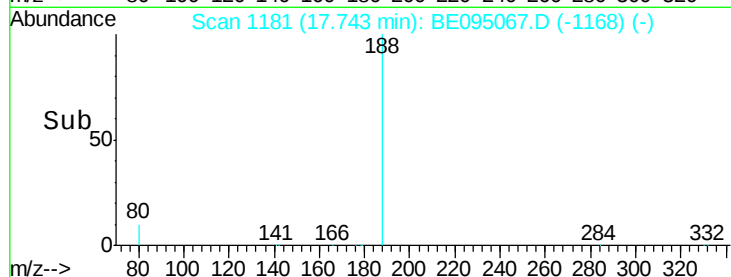
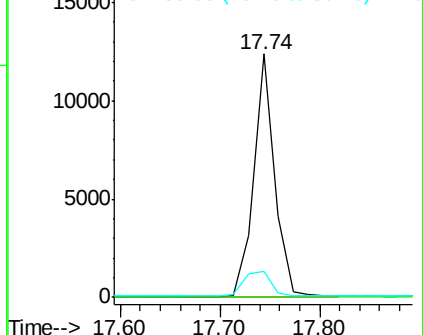
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 188   | Resp: | 17887 |
| Ion      | Ratio | Lower | Upper |
| 188      | 100   |       |       |
| 94       | 0.0   | 3.9   | 5.9#  |
| 80       | 10.6  | 3.6   | 5.4#  |



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



#20

4-Bromophenyl-phenylether

Concen: 0.394 ng

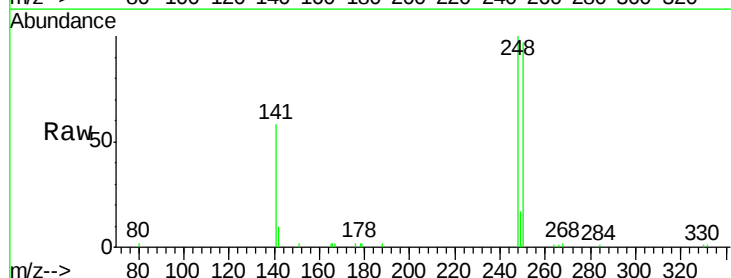
RT: 16.94 min Scan# 1127

Delta R.T. 0.00 min

Lab File: BE095067.D

Acq: 10 Jan 2018 11:35

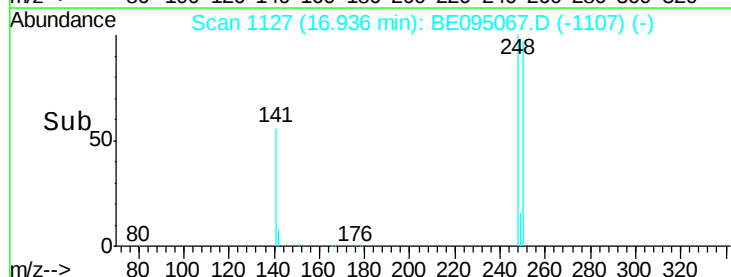
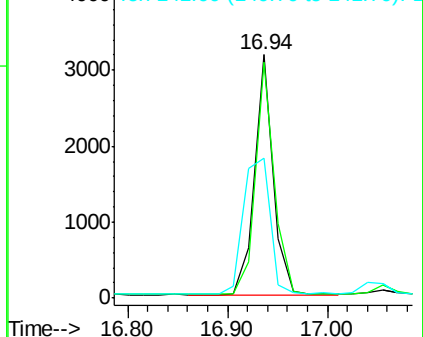
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 248   | Resp: | 4121  |
| Ion      | Ratio | Lower | Upper |
| 248      | 100   |       |       |
| 250      | 96.8  | 62.7  | 94.1# |
| 141      | 57.7  | 48.2  | 72.2  |

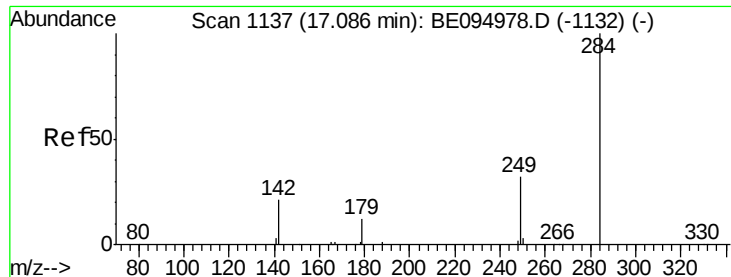


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.390 ng

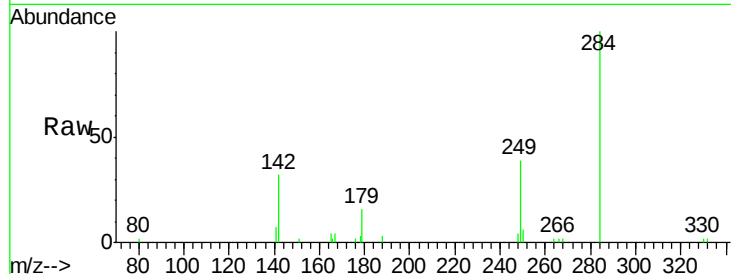
RT: 17.06 min Scan# 1135

Delta R.T. 0.00 min

Lab File: BE095067.D

Acq: 10 Jan 2018 11:35

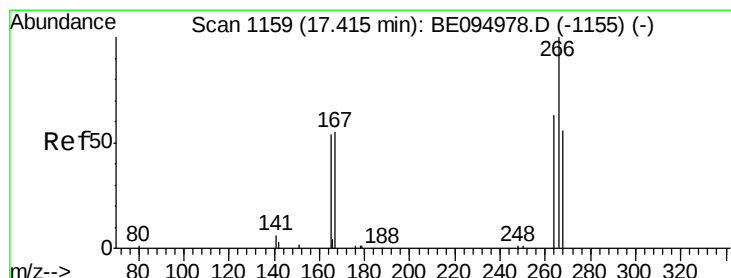
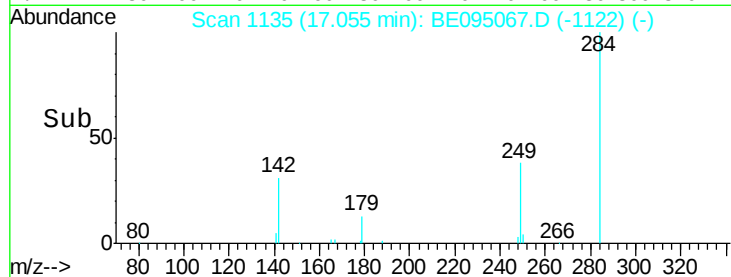
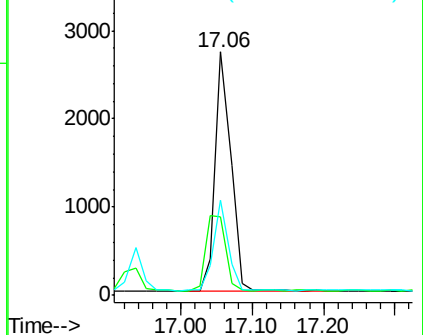
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 284   | Resp: | 4171  |
| Ion      | Ratio | Lower | Upper |
| 284      | 100   |       |       |
| 142      | 39.4  | 22.1  | 33.1# |
| 249      | 35.5  | 34.8  | 52.2  |



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.452 ng

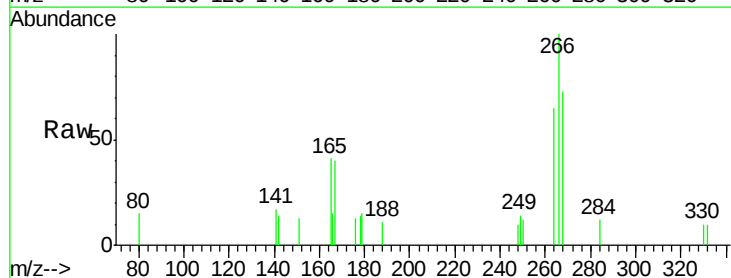
RT: 17.40 min Scan# 1158

Delta R.T. 0.00 min

Lab File: BE095067.D

Acq: 10 Jan 2018 11:35

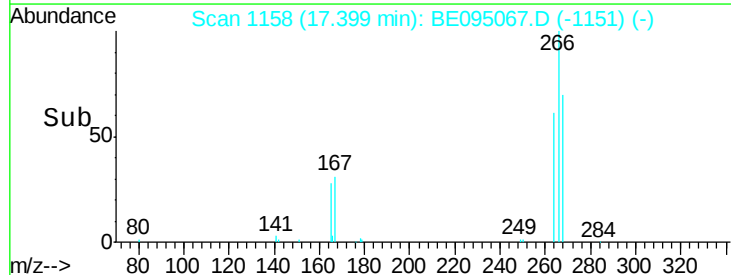
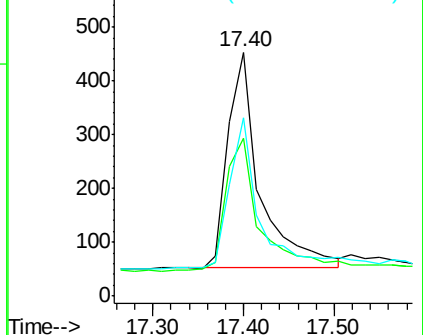
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 266   | Resp: | 987    |
| Ion      | Ratio | Lower | Upper  |
| 266      | 100   |       |        |
| 264      | 64.9  | 72.5  | 108.7# |
| 268      | 73.3  | 73.8  | 110.6# |

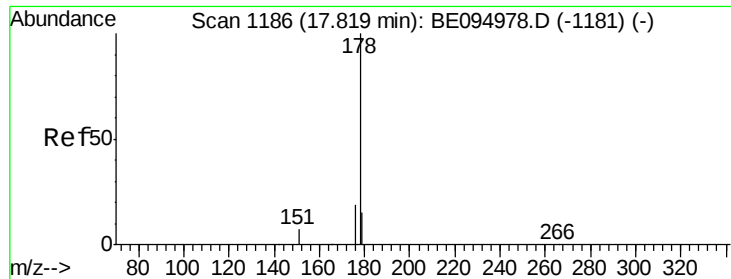


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

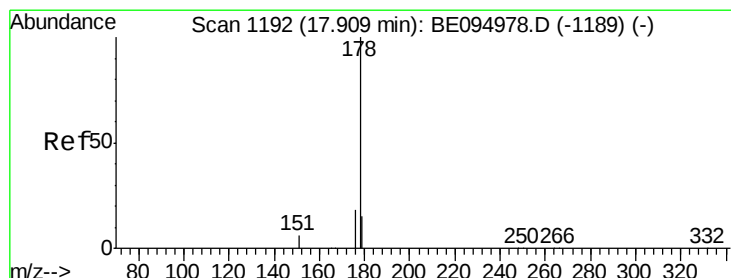
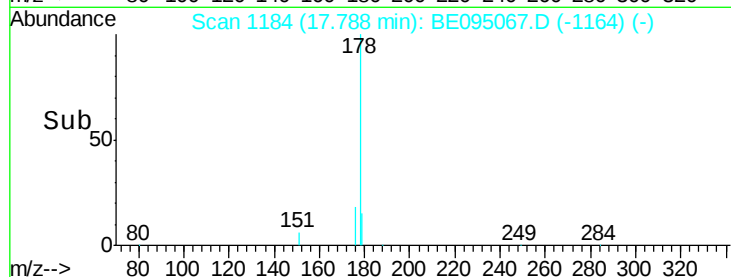
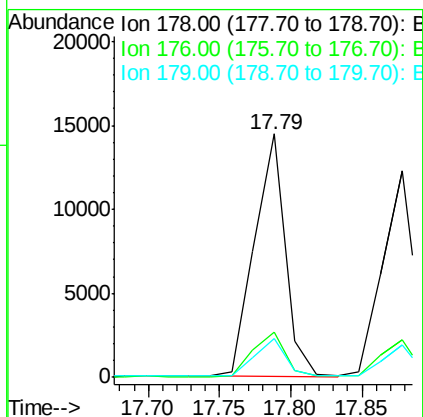
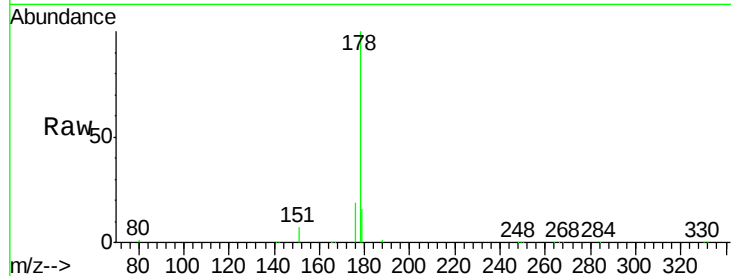
Ion 268.00 (267.70 to 268.70): E





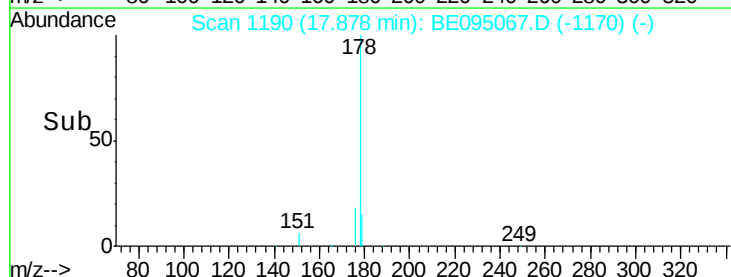
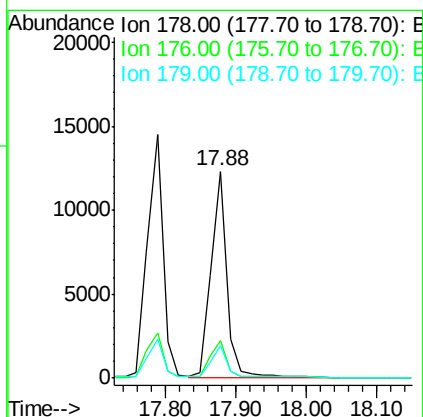
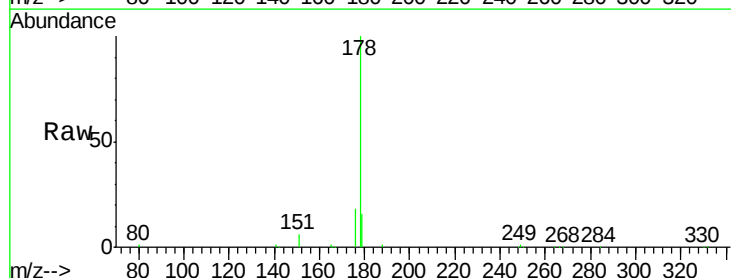
#23  
Phenanthrene  
Concen: 0.395 ng  
RT: 17.79 min Scan# 1184  
Delta R.T. 0.00 min  
Lab File: BE095067.D  
Acq: 10 Jan 2018 11:35

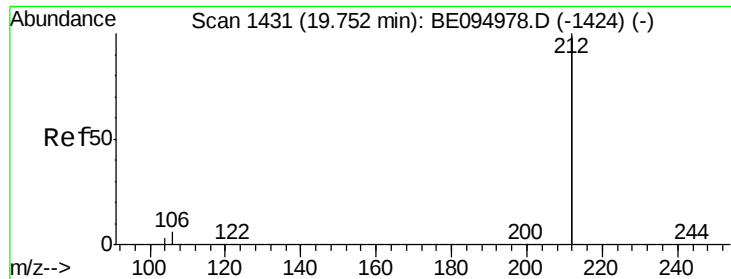
Tgt Ion:178 Resp: 21989  
Ion Ratio Lower Upper  
178 100  
176 19.5 15.1 22.7  
179 15.7 11.8 17.6



#24  
Anthracene  
Concen: 0.382 ng  
RT: 17.88 min Scan# 1190  
Delta R.T. 0.00 min  
Lab File: BE095067.D  
Acq: 10 Jan 2018 11:35

Tgt Ion:178 Resp: 21858  
Ion Ratio Lower Upper  
178 100  
176 21.0 12.8 19.2#  
179 18.4 13.0 19.6

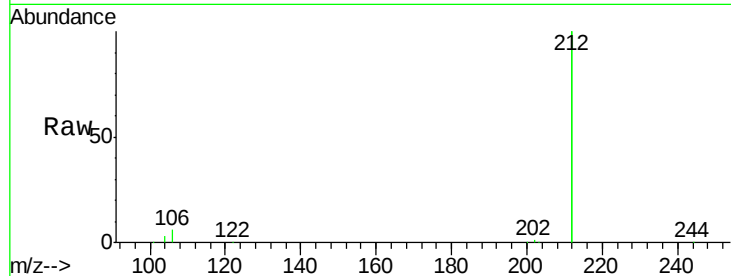




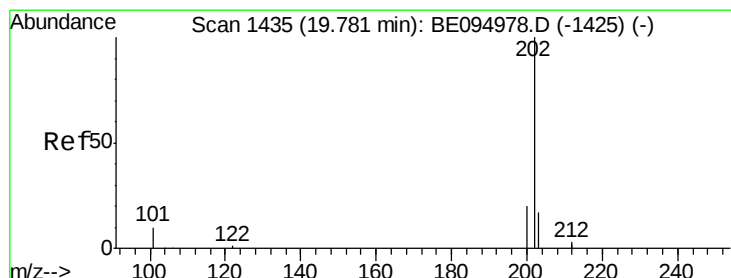
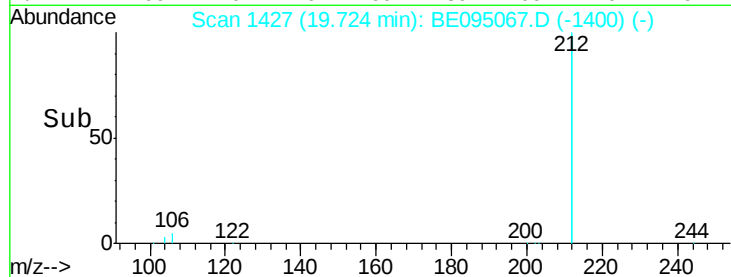
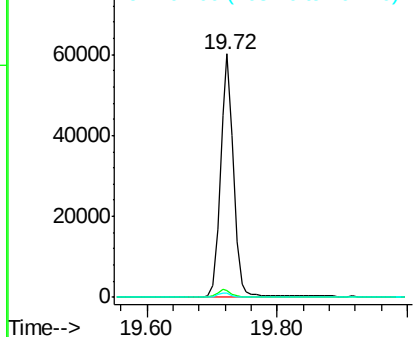
#25  
Fluoranthene-d10  
Concen: 0.355 ng  
RT: 19.72 min Scan# 1427  
Delta R.T. -0.00 min  
Lab File: BE095067.D  
Acq: 10 Jan 2018 11:35

Tgt Ion: 212 Resp: 82372

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 212 | 100   |       |       |
| 106 | 3.2   | 2.8   | 4.2   |
| 104 | 1.8   | 1.6   | 2.4   |



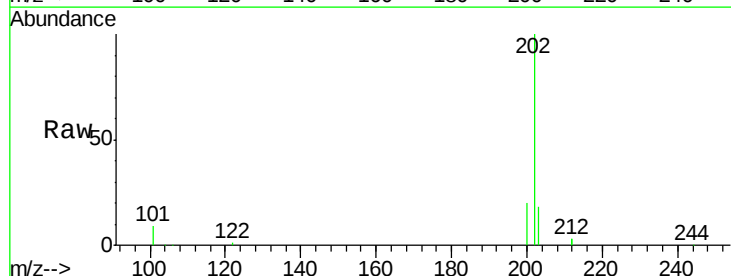
Abundance Ion 212.00 (211.70 to 212.70): E  
Ion 106.00 (105.70 to 106.70): E  
Ion 104.00 (103.70 to 104.70): E



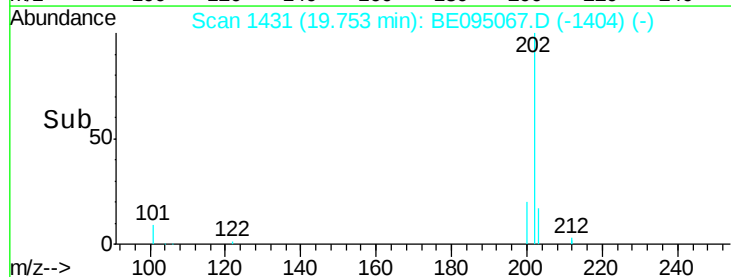
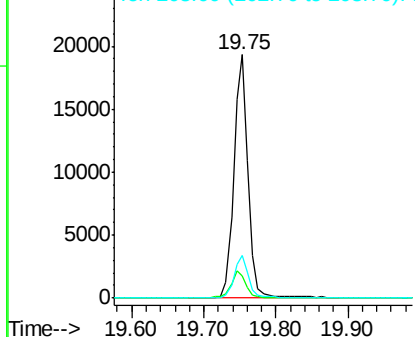
#26  
Fluoranthene  
Concen: 0.378 ng  
RT: 19.75 min Scan# 1431  
Delta R.T. -0.00 min  
Lab File: BE095067.D  
Acq: 10 Jan 2018 11:35

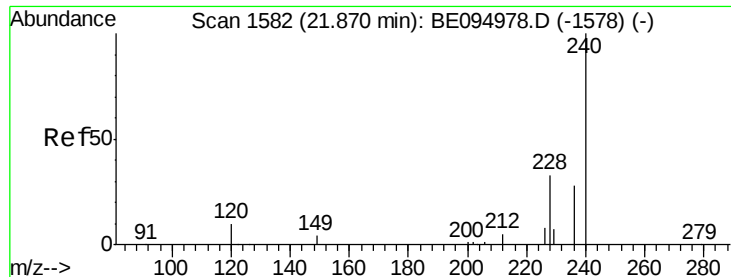
Tgt Ion: 202 Resp: 26009

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 101 | 10.9  | 9.8   | 14.8  |
| 203 | 17.1  | 13.7  | 20.5  |



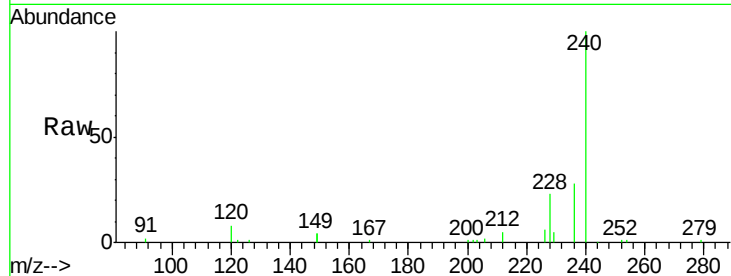
Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 203.00 (202.70 to 203.70): E



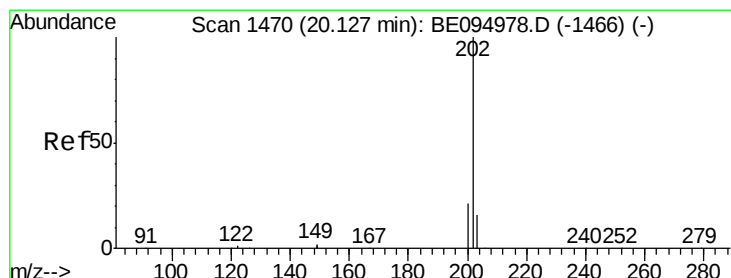
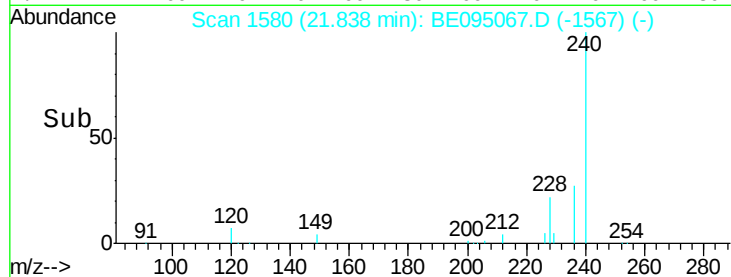
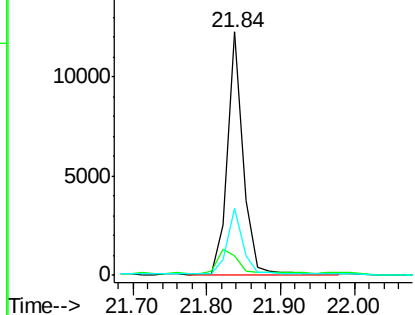


#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.84 min Scan# 1580  
Delta R.T. -0.00 min  
Lab File: BE095067.D  
Acq: 10 Jan 2018 11:35

Tgt Ion: 240 Resp: 18158  
Ion Ratio Lower Upper  
240 100  
120 7.9 5.5 8.3  
236 27.7 20.7 31.1

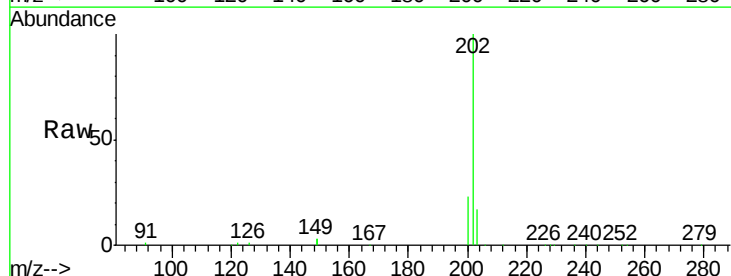


Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

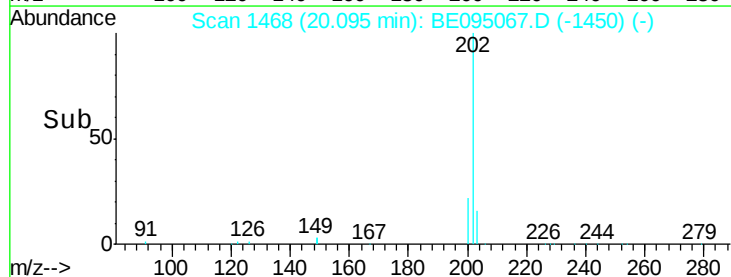
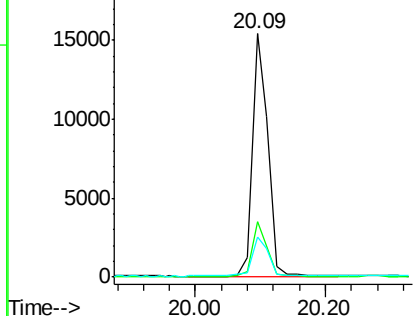


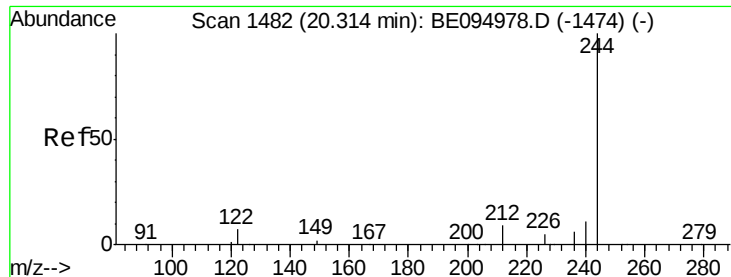
#28  
Pyrene  
Concen: 0.478 ng  
RT: 20.09 min Scan# 1468  
Delta R.T. -0.00 min  
Lab File: BE095067.D  
Acq: 10 Jan 2018 11:35

Tgt Ion: 202 Resp: 29417  
Ion Ratio Lower Upper  
202 100  
200 20.8 16.6 25.0  
203 15.0 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: 0.461 ng

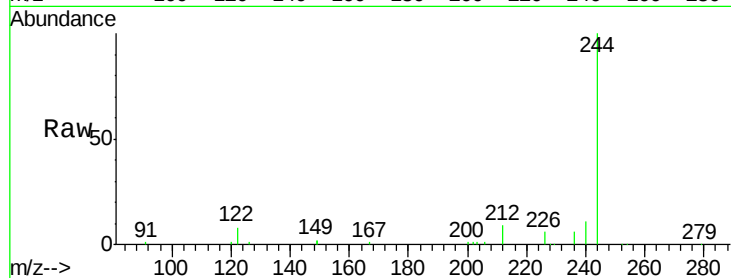
RT: 20.28 min Scan# 1480

Delta R.T. -0.00 min

Lab File: BE095067.D

Acq: 10 Jan 2018 11:35

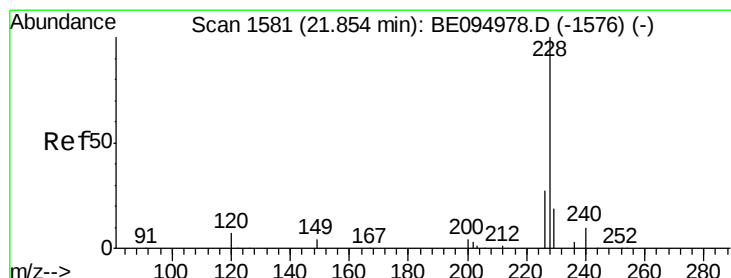
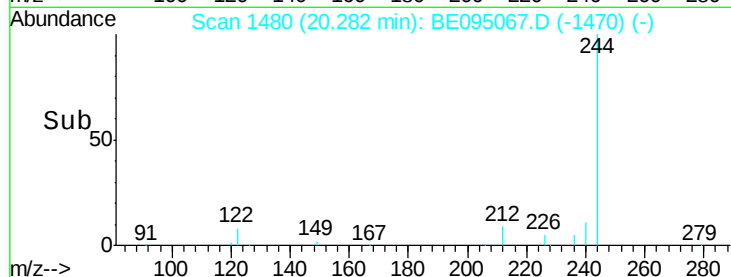
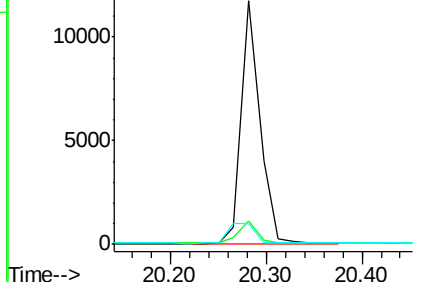
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 244   | Resp: | 15771 |
| Ion      | Ratio | Lower | Upper |
| 244      | 100   |       |       |
| 212      | 9.5   | 25.4  | 38.0# |
| 122      | 8.3   | 8.1   | 12.1  |



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



#30

Benzo(a)anthracene

Concen: 0.422 ng

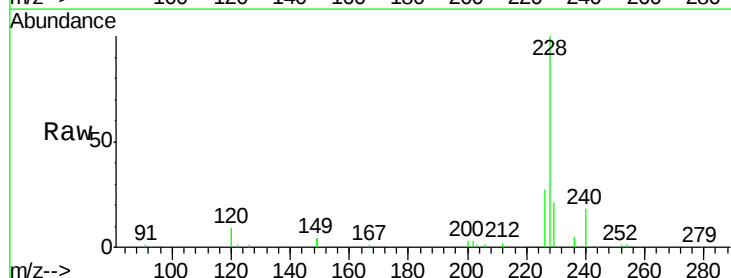
RT: 21.82 min Scan# 1579

Delta R.T. -0.00 min

Lab File: BE095067.D

Acq: 10 Jan 2018 11:35

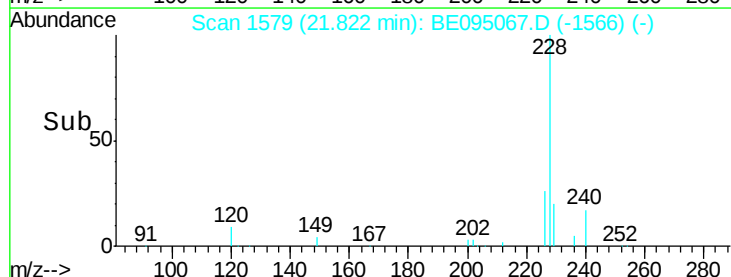
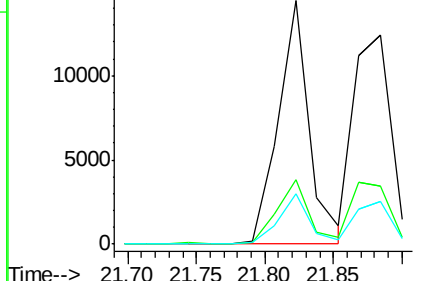
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 228   | Resp: | 22418 |
| Ion      | Ratio | Lower | Upper |
| 228      | 100   |       |       |
| 226      | 26.7  | 40.0  | 60.0# |
| 229      | 20.5  | 40.0  | 60.0# |

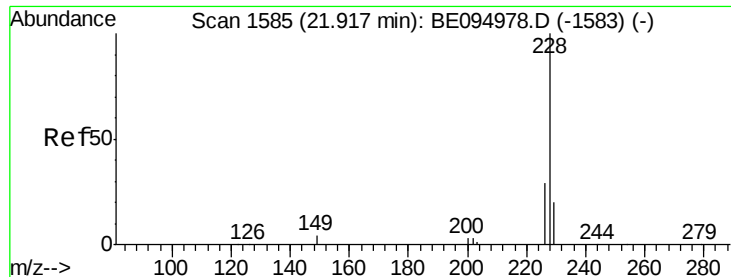


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

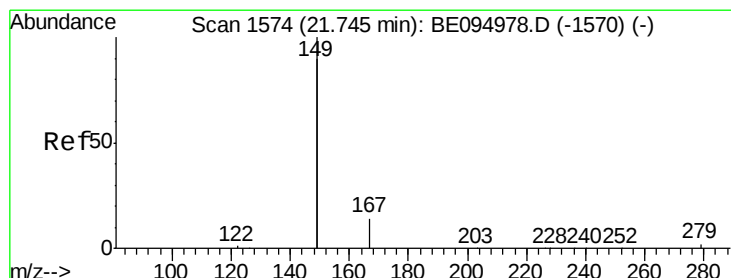
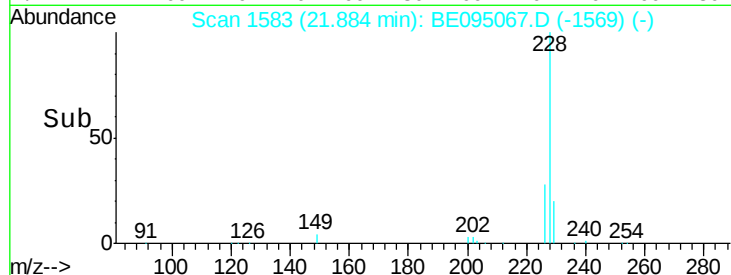
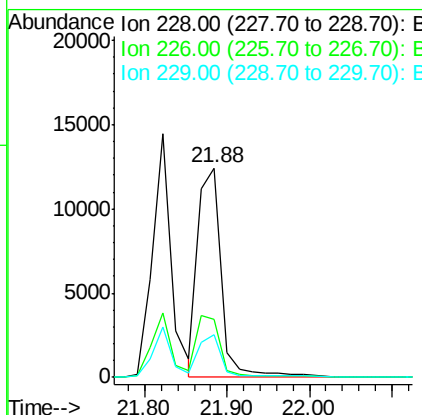
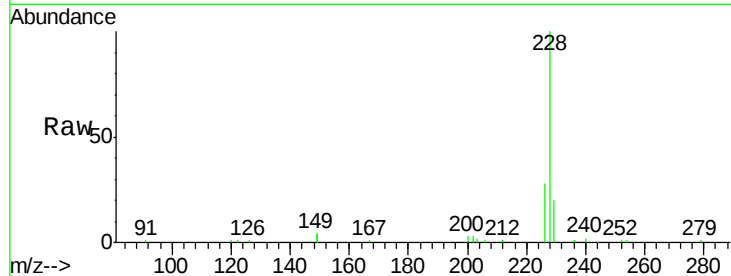
Ion 229.00 (228.70 to 229.70): E





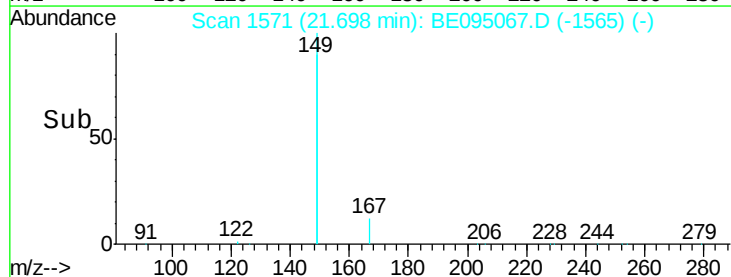
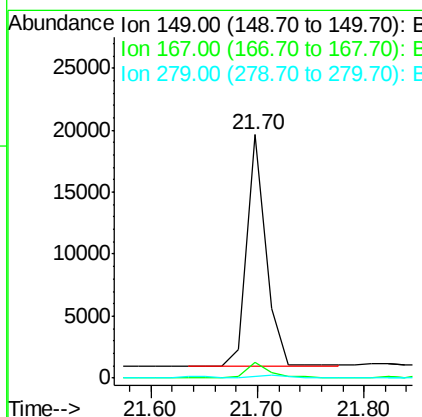
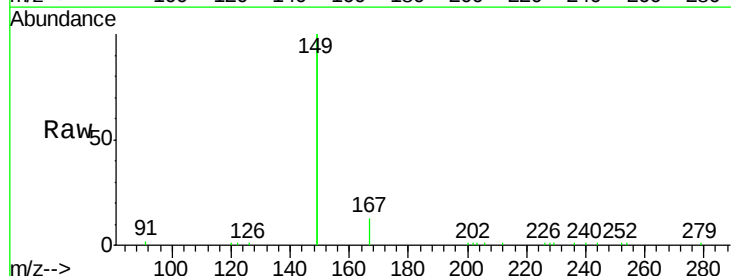
#31  
 Chrysene  
 Concen: 0.442 ng  
 RT: 21.88 min Scan# 1583  
 Delta R.T. 0.01 min  
 Lab File: BE095067.D  
 Acq: 10 Jan 2018 11:35

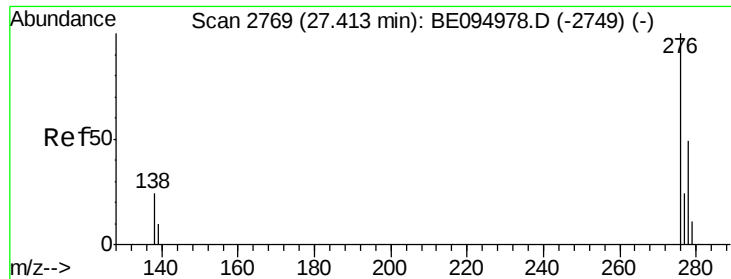
Tgt Ion: 228 Resp: 26415  
 Ion Ratio Lower Upper  
 228 100  
 226 27.8 40.0 60.0#  
 229 20.3 40.0 60.0#



#32  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.347 ng  
 RT: 21.70 min Scan# 1571  
 Delta R.T. -0.00 min  
 Lab File: BE095067.D  
 Acq: 10 Jan 2018 11:35

Tgt Ion: 149 Resp: 23493  
 Ion Ratio Lower Upper  
 149 100  
 167 7.0 5.4 8.0  
 279 0.9 0.7 1.1





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.364 ng

RT: 27.32 min Scan# 2750

Delta R.T. 0.00 min

Lab File: BE095067.D

Acq: 10 Jan 2018 11:35

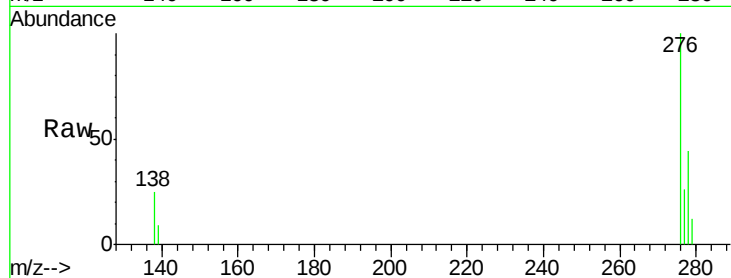
Tgt Ion: 276 Resp: 17685

Ion Ratio Lower Upper

276 100

138 24.9 22.5 33.7

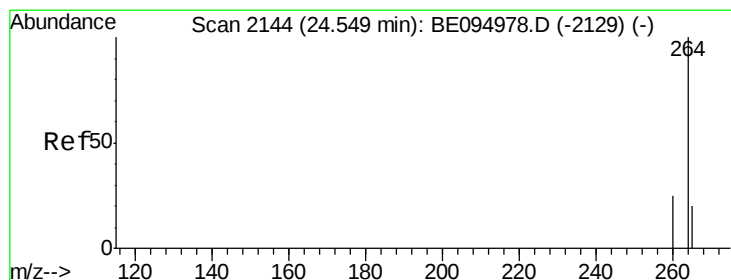
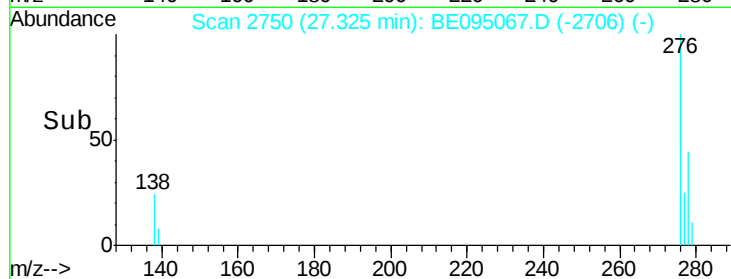
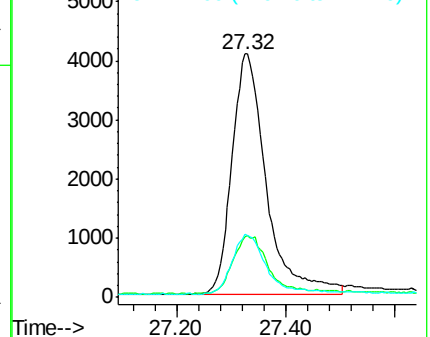
277 24.4 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 24.49 min Scan# 2132

Delta R.T. 0.00 min

Lab File: BE095067.D

Acq: 10 Jan 2018 11:35

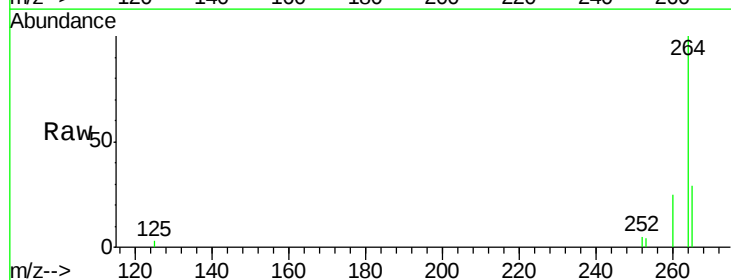
Tgt Ion: 264 Resp: 14719

Ion Ratio Lower Upper

264 100

260 24.7 20.5 30.7

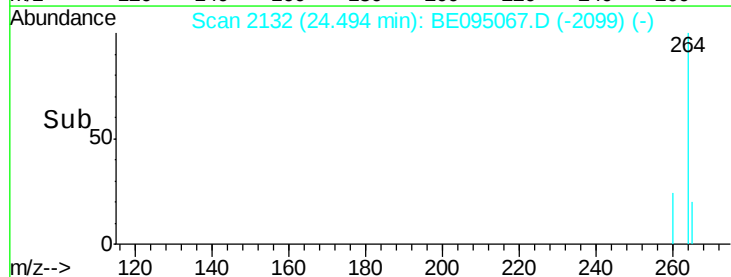
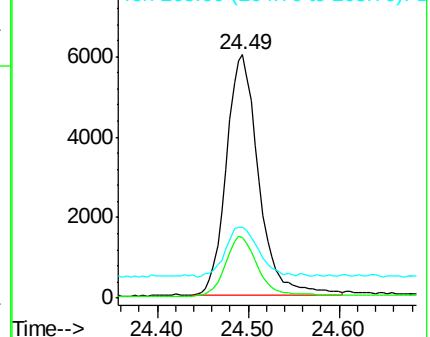
265 29.1 22.8 34.2

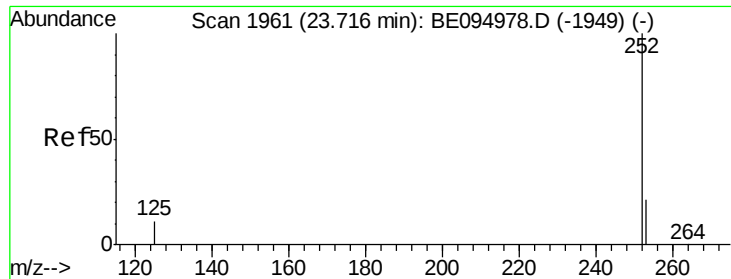


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

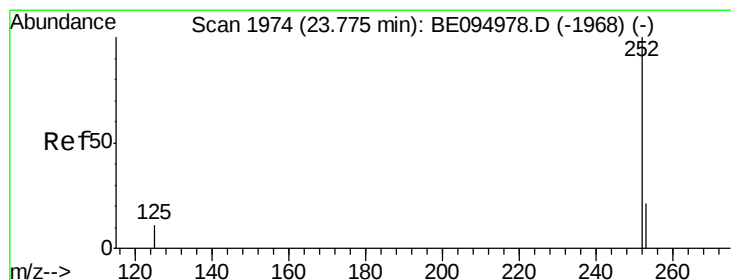
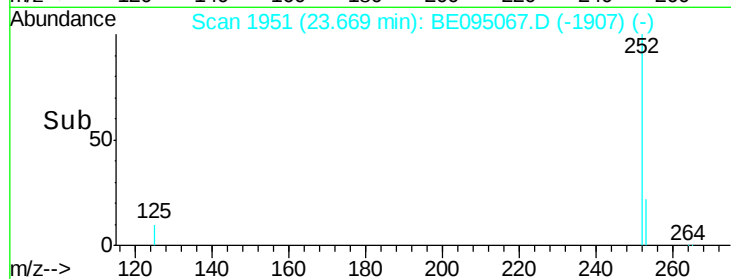
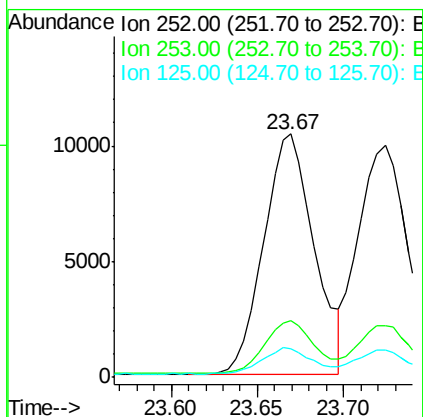
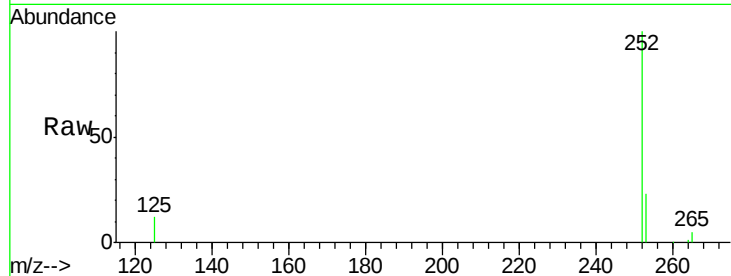
Ion 265.00 (264.70 to 265.70): E





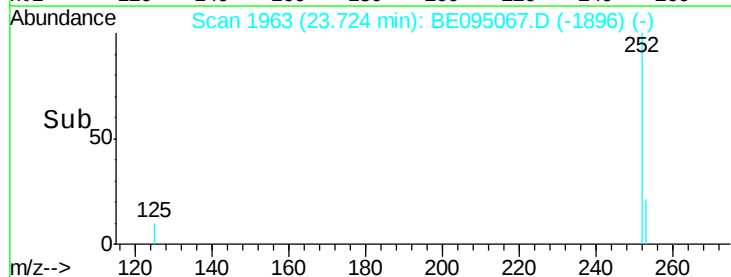
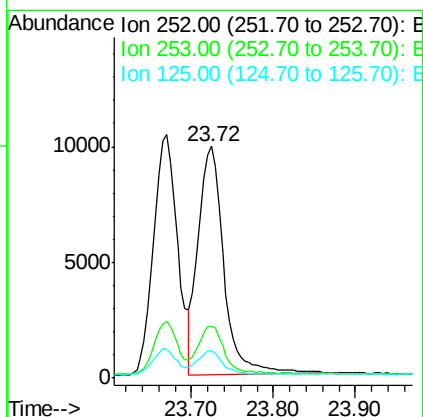
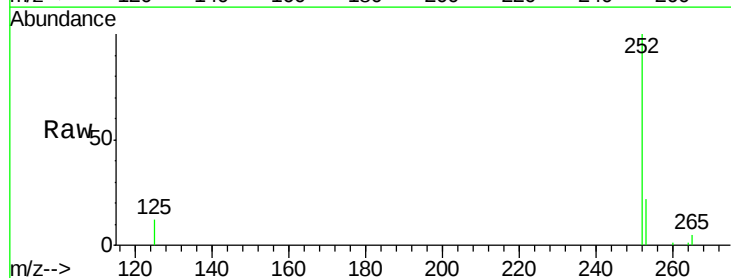
#35  
Benzo(b)fluoranthene  
Concen: 0.392 ng  
RT: 23.67 min Scan# 1951  
Delta R.T. 0.00 min  
Lab File: BE095067.D  
Acq: 10 Jan 2018 11:35

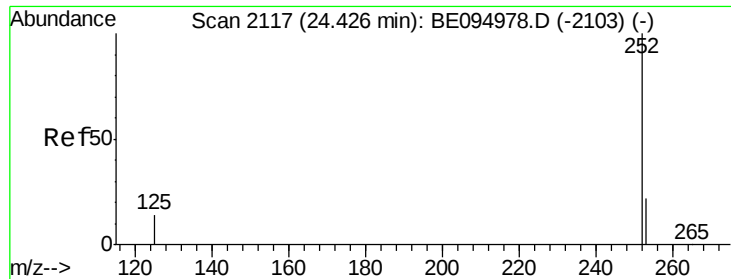
Tgt Ion: 252 Resp: 21175  
Ion Ratio Lower Upper  
252 100  
253 23.4 20.0 30.0  
125 11.8 16.0 24.0#



#36  
Benzo(k)fluoranthene  
Concen: 0.389 ng  
RT: 23.72 min Scan# 1963  
Delta R.T. 0.00 min  
Lab File: BE095067.D  
Acq: 10 Jan 2018 11:35

Tgt Ion: 252 Resp: 21275  
Ion Ratio Lower Upper  
252 100  
253 22.4 16.0 24.0  
125 11.9 8.0 12.0





#37

Benzo(a)pyrene

Concen: 0.382 ng

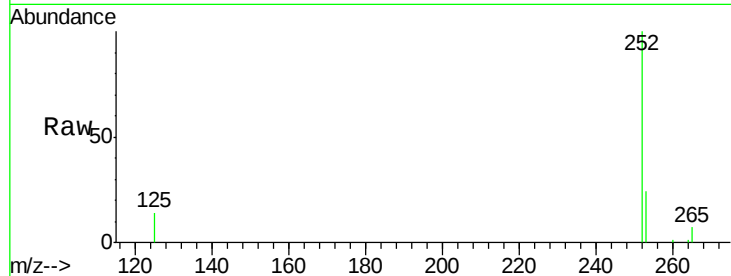
RT: 24.37 min Scan# 2105

Delta R.T. 0.00 min

Lab File: BE095067.D

Acq: 10 Jan 2018 11:35

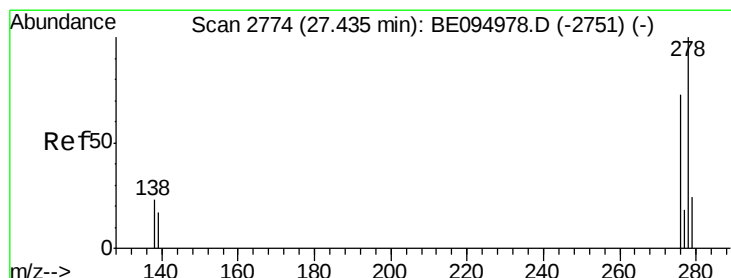
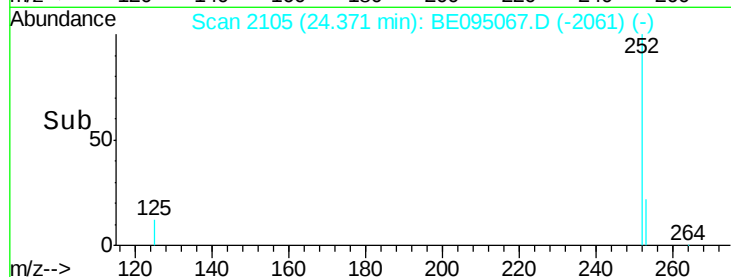
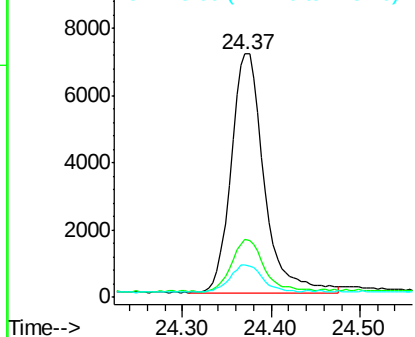
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 252   | Resp: | 18303 |
| Ion      | Ratio | Lower | Upper |
| 252      | 100   |       |       |
| 253      | 24.1  | 16.0  | 24.0# |
| 125      | 13.6  | 12.0  | 18.0  |



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.304 ng

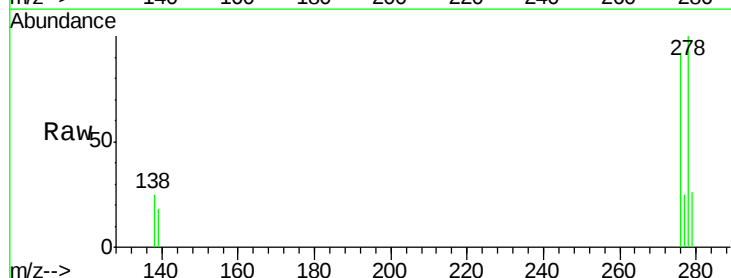
RT: 27.35 min Scan# 2755

Delta R.T. -0.00 min

Lab File: BE095067.D

Acq: 10 Jan 2018 11:35

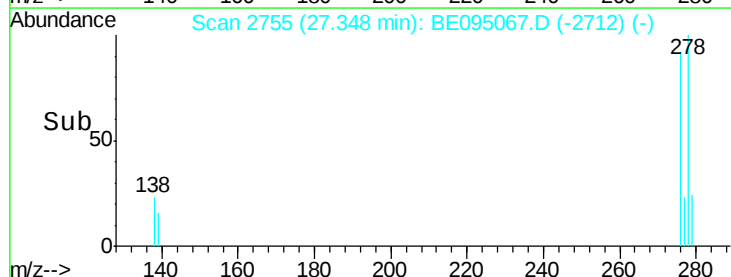
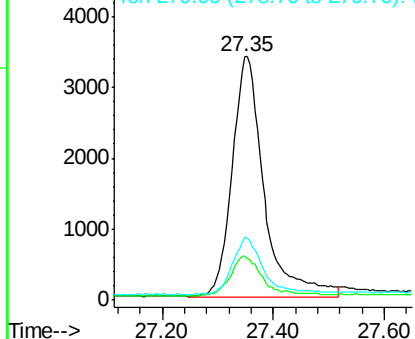
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 278   | Resp: | 13519 |
| Ion      | Ratio | Lower | Upper |
| 278      | 100   |       |       |
| 139      | 17.9  | 16.0  | 24.0  |
| 279      | 25.7  | 20.0  | 30.0  |

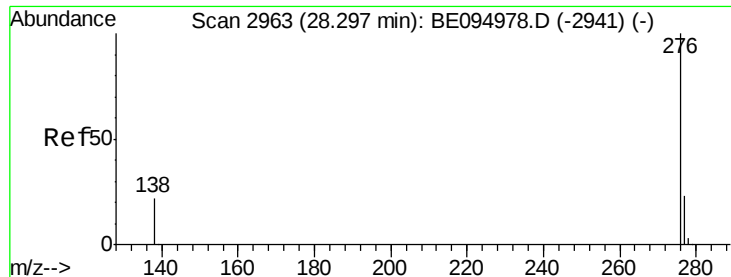


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.385 ng

RT: 28.20 min Scan# 2943

Delta R.T. 0.00 min

Lab File: BE095067.D

Acq: 10 Jan 2018 11:35

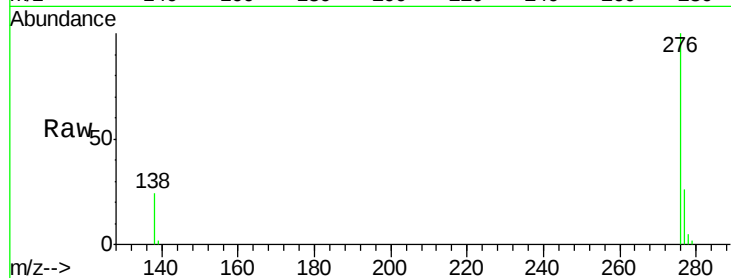
Tgt Ion: 276 Resp: 17047

Ion Ratio Lower Upper

276 100

277 25.7 16.0 24.0#

138 24.1 20.0 30.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

