

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE092319\  
 Data File : BE100543.D  
 Acq On : 23 Sep 2019 17:08  
 Operator : HP/JU  
 Sample : K4883-06MS  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 23 18:01:21 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE092019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Sep 20 18:26:17 2019

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.86  | 152  | 6148     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.65 | 136  | 26738    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.49 | 164  | 14745    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.20 | 188  | 29601    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.37 | 240  | 39936    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.83 | 264  | 48071    | 0.40 | ng    | 0.00     |

#### System Monitoring Compounds

|                             |       |     |        |      |    |      |
|-----------------------------|-------|-----|--------|------|----|------|
| 4) 2-Fluorophenol           | 5.44  | 112 | 3101   | 0.22 | ng | 0.00 |
| 5) Phenol-d6                | 7.02  | 99  | 2503   | 0.13 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 9.00  | 82  | 6580   | 0.43 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.24 | 152 | 18891  | 0.47 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.96 | 330 | 1055   | 0.44 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 13.12 | 172 | 23303  | 0.44 | ng | 0.00 |
| 25) Fluoranthene-d10        | 19.23 | 212 | 173016 | 0.49 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.82 | 244 | 48205  | 0.51 | ng | 0.00 |

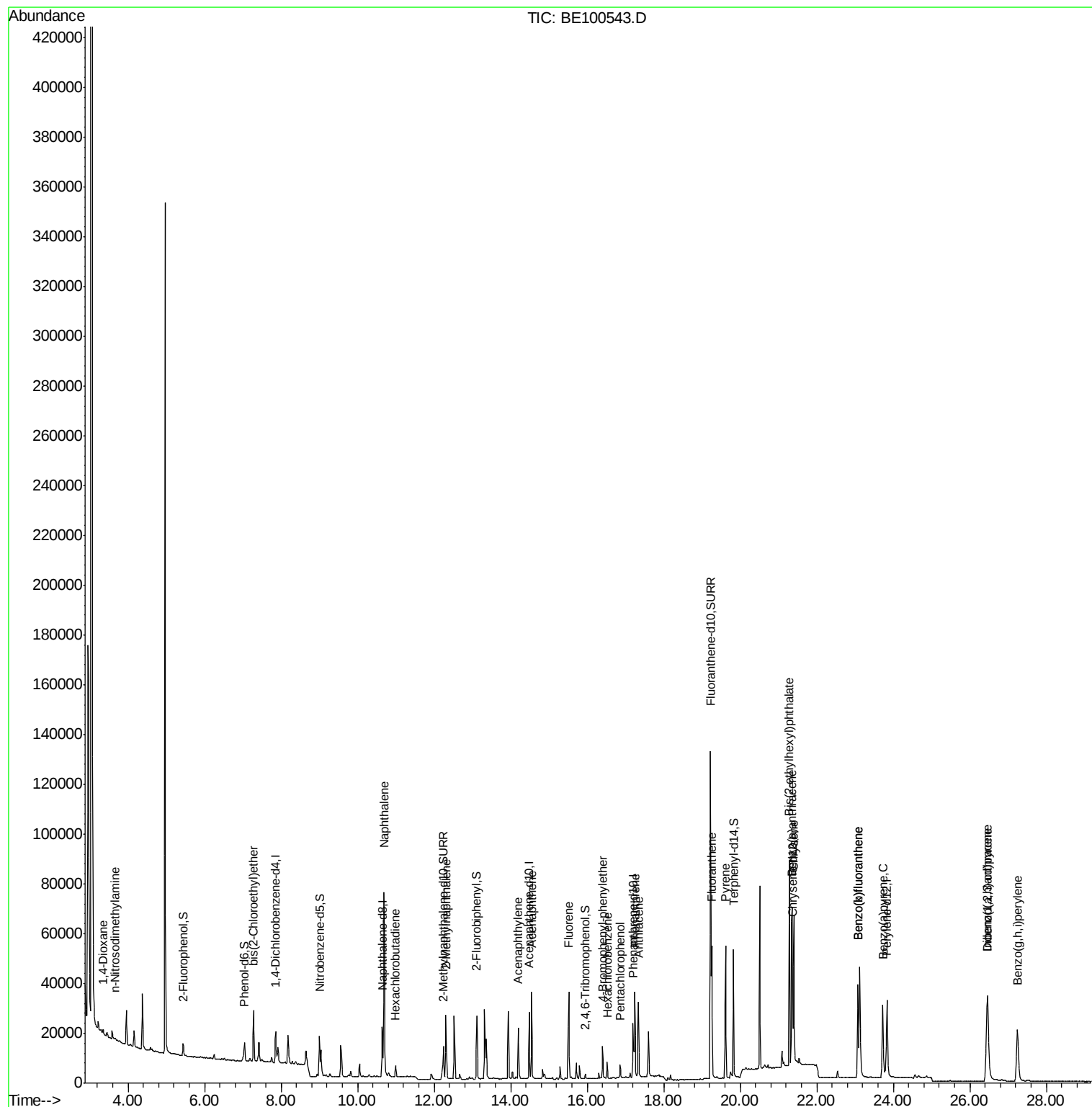
#### Target Compounds

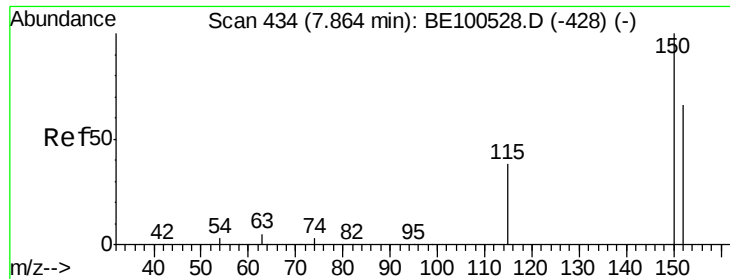
|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.35  | 88  | 1548   | 0.174 | ng | # 79   |
| 3) n-Nitrosodimethylamine      | 3.66  | 42  | 868    | 0.167 | ng | # 91   |
| 6) bis(2-Chloroethyl)ether     | 7.27  | 93  | 8201   | 0.412 | ng | 85     |
| 9) Naphthalene                 | 10.69 | 128 | 122785 | 0.443 | ng | 100    |
| 10) Hexachlorobutadiene        | 10.99 | 225 | 3363   | 0.379 | ng | 99     |
| 12) 2-Methylnaphthalene        | 12.31 | 142 | 18604  | 0.422 | ng | 99     |
| 16) Acenaphthylene             | 14.20 | 152 | 25687  | 0.423 | ng | 99     |
| 17) Acenaphthene               | 14.54 | 154 | 17354  | 0.423 | ng | 97     |
| 18) Fluorene                   | 15.51 | 166 | 21030  | 0.410 | ng | 99     |
| 20) 4-Bromophenyl-phenylether  | 16.40 | 248 | 5913   | 0.425 | ng | 96     |
| 21) Hexachlorobenzene          | 16.52 | 284 | 4584   | 0.378 | ng | 99     |
| 22) Pentachlorophenol          | 16.85 | 266 | 2946   | 1.109 | ng | 92     |
| 23) Phenanthrene               | 17.24 | 178 | 35850  | 0.435 | ng | 100    |
| 24) Anthracene                 | 17.34 | 178 | 30493  | 0.439 | ng | 100    |
| 26) Fluoranthene               | 19.25 | 202 | 46270  | 0.465 | ng | 100    |
| 28) Pyrene                     | 19.62 | 202 | 48826  | 0.425 | ng | 99     |
| 30) Benzo(a)anthracene         | 21.34 | 228 | 53882  | 0.505 | ng | 99     |
| 31) Chrysene                   | 21.40 | 228 | 52786  | 0.434 | ng | 100    |
| 32) Bis(2-ethylhexyl)phthalate | 21.28 | 149 | 106086 | 0.923 | ng | 100    |
| 33) Indeno(1,2,3-cd)pyrene     | 26.45 | 276 | 61051  | 0.452 | ng | 100    |
| 35) Benzo(b)fluoranthene       | 23.08 | 252 | 57054  | 0.439 | ng | 99     |
| 36) Benzo(k)fluoranthene       | 23.08 | 252 | 57054  | 0.379 | ng | 99     |
| 37) Benzo(a)pyrene             | 23.72 | 252 | 53926  | 0.444 | ng | 98     |
| 38) Dibenzo(a,h)anthracene     | 26.47 | 278 | 50189  | 0.397 | ng | 99     |
| 39) Benzo(g,h,i)perylene       | 27.24 | 276 | 54722  | 0.415 | ng | 99     |

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

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Response via : Initial Calibration

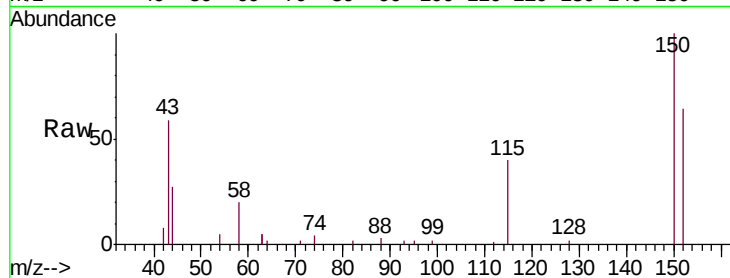




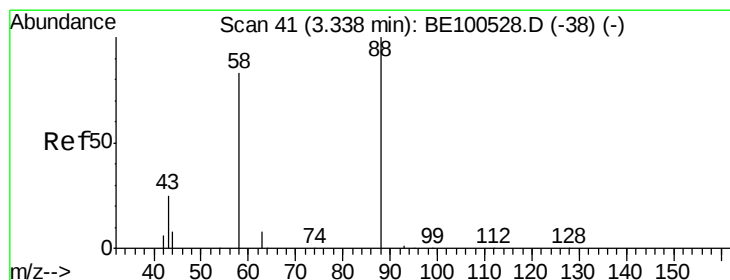
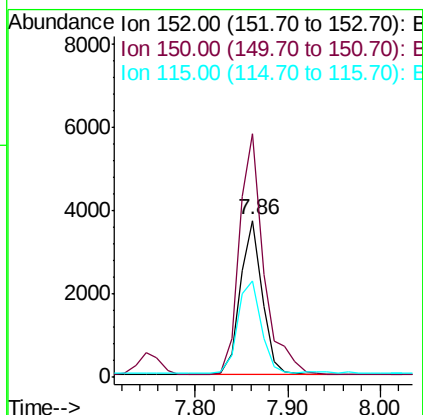
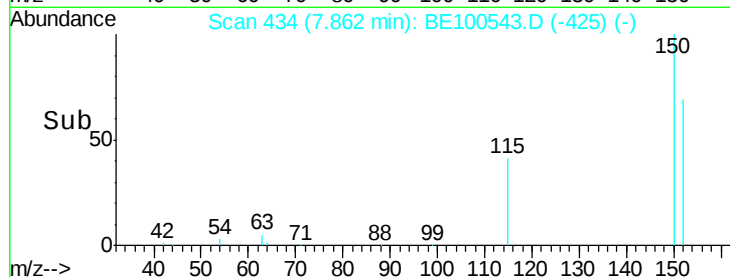
#1

1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.86 min Scan# 434  
Delta R.T. -0.00 min  
Lab File: BE100543.D  
Acq: 23 Sep 2019 17:08

Tgt Ion: 152 Resp: 6148  
Ion Ratio Lower Upper  
152 100  
150 155.1 121.6 182.4  
115 61.5 48.2 72.4



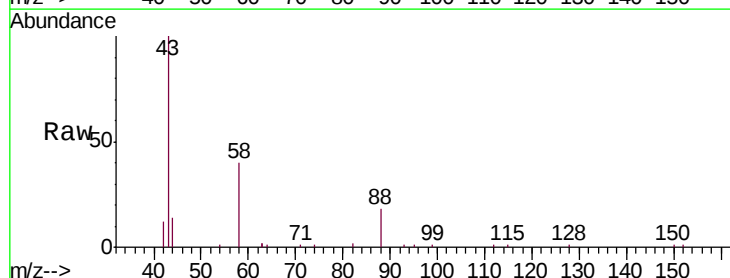
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



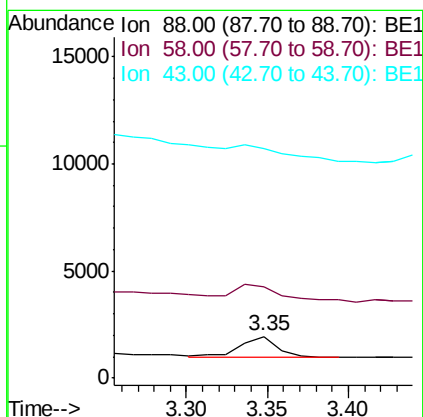
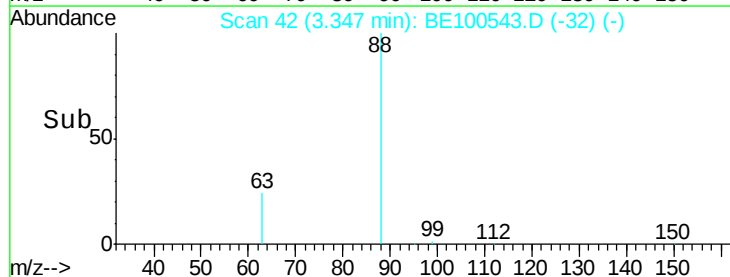
#2

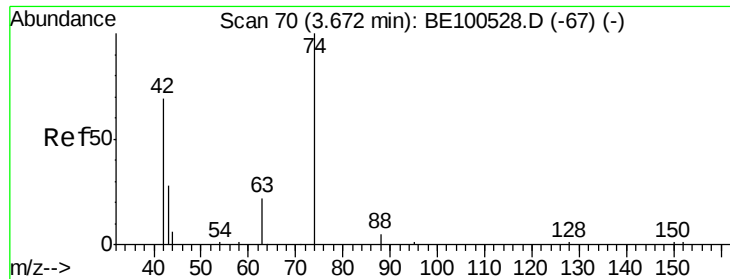
1,4-Dioxane  
Concen: 0.174 ng  
RT: 3.35 min Scan# 42  
Delta R.T. 0.01 min  
Lab File: BE100543.D  
Acq: 23 Sep 2019 17:08

Tgt Ion: 88 Resp: 1548  
Ion Ratio Lower Upper  
88 100  
58 77.4 53.3 79.9  
43 0.0 16.9 25.3#



Abundance Ion 88.00 (87.70 to 88.70): BE1  
Ion 58.00 (57.70 to 58.70): BE1  
Ion 43.00 (42.70 to 43.70): BE1





#3

n-Nitrosodimethylamine

Concen: 0.167 ng

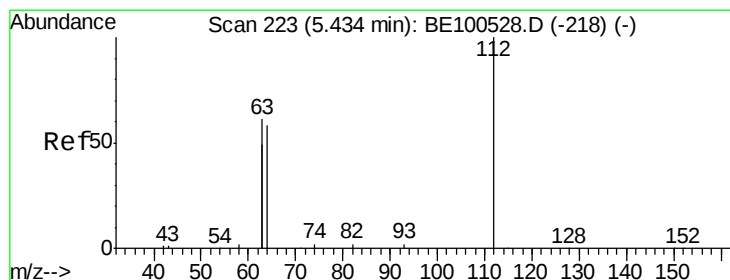
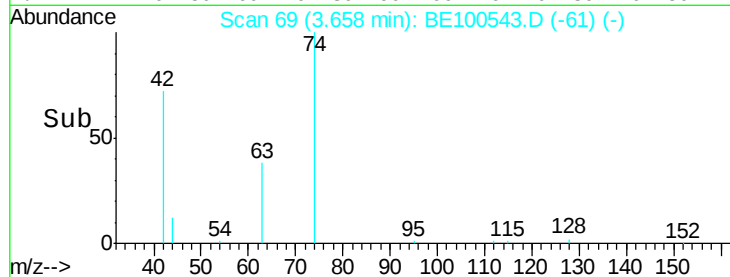
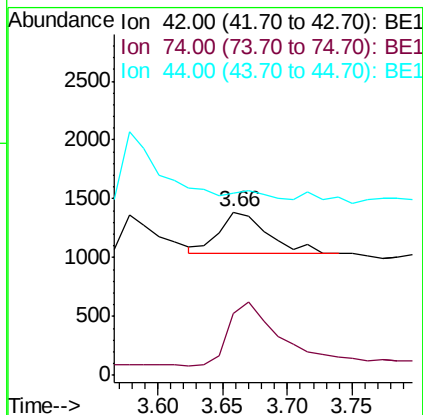
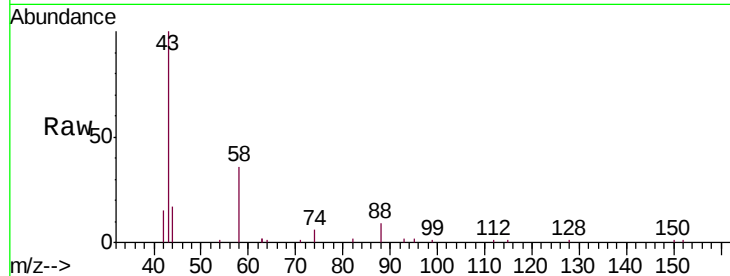
RT: 3.66 min Scan# 69

Delta R.T. -0.01 min

Lab File: BE100543.D

Acq: 23 Sep 2019 17:08

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 868   |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 74       | 178.9 | 133.8 | 200.6 |
| 44       | 0.0   | 6.4   | 9.6#  |



#4

2-Fluorophenol

Concen: 0.215 ng

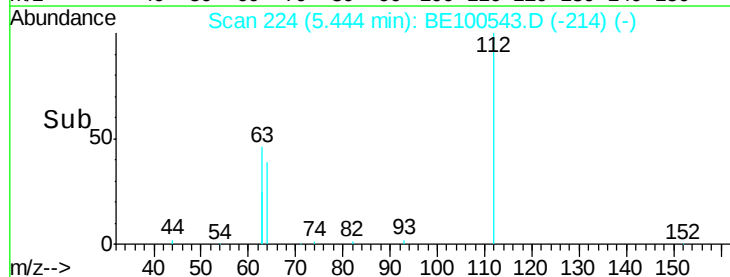
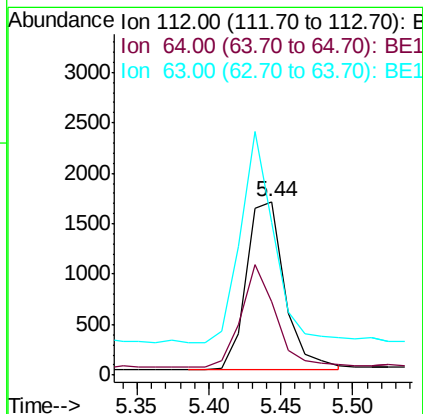
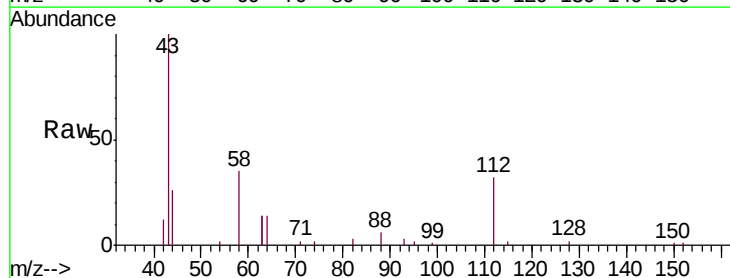
RT: 5.44 min Scan# 224

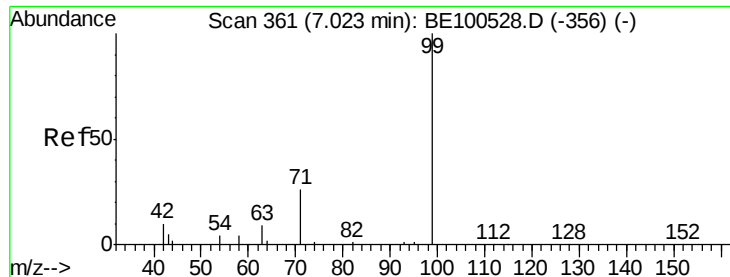
Delta R.T. 0.01 min

Lab File: BE100543.D

Acq: 23 Sep 2019 17:08

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 3101  |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 64       | 54.4  | 44.1  | 66.1  |
| 63       | 109.5 | 86.5  | 129.7 |





#5

Phenol-d6

Concen: 0.127 ng

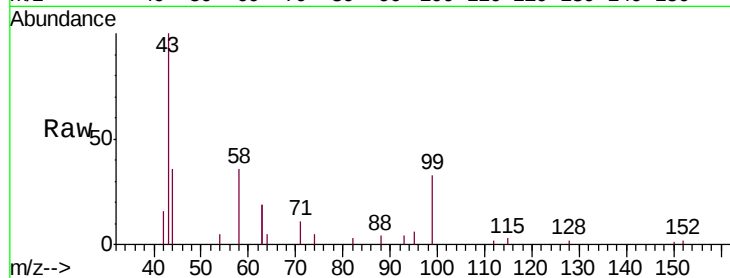
RT: 7.02 min Scan# 361

Delta R.T. -0.00 min

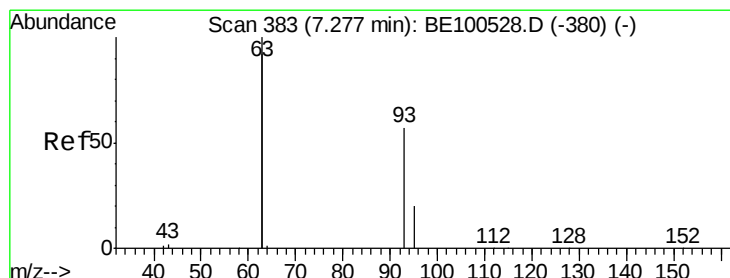
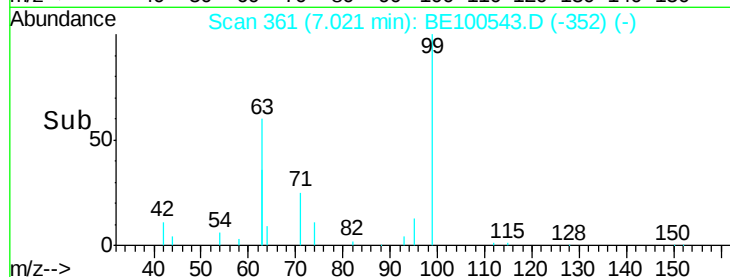
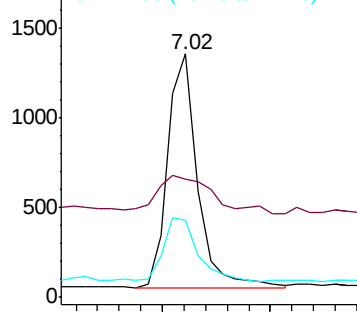
Lab File: BE100543.D

Acq: 23 Sep 2019 17:08

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 2503  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 31.8  | 13.0  | 19.6# |
| 71       | 31.5  | 23.4  | 35.0  |



Abundance Ion 99.00 (98.70 to 99.70): BE1  
Ion 42.00 (41.70 to 42.70): BE1  
Ion 71.00 (70.70 to 71.70): BE1



#6

bis(2-Chloroethyl)ether

Concen: 0.412 ng

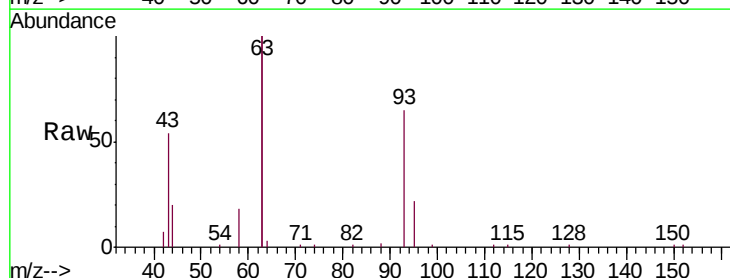
RT: 7.27 min Scan# 383

Delta R.T. -0.00 min

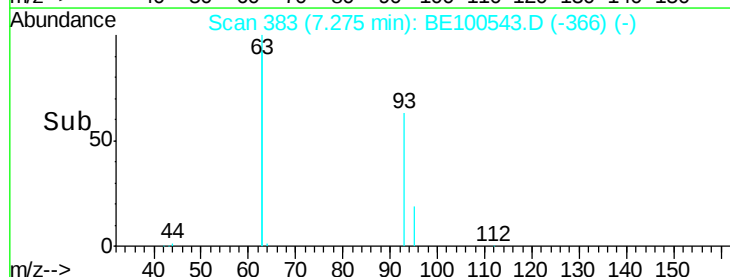
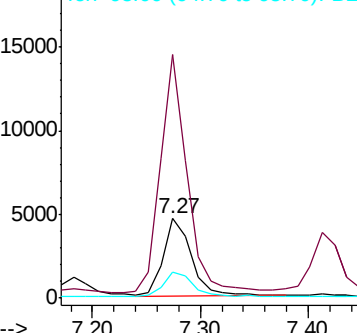
Lab File: BE100543.D

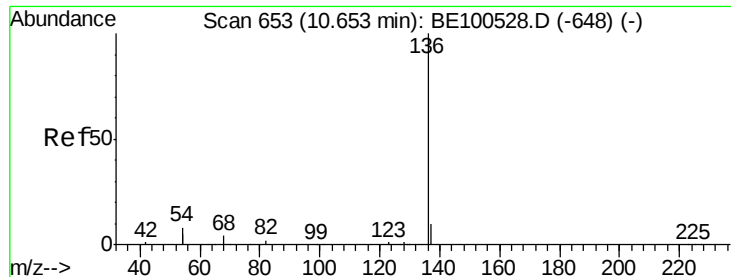
Acq: 23 Sep 2019 17:08

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 8201  |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 295.5 | 213.4 | 320.0 |
| 95       | 33.7  | 23.7  | 35.5  |



Abundance Ion 93.00 (92.70 to 93.70): BE1  
Ion 63.00 (62.70 to 63.70): BE1  
Ion 95.00 (94.70 to 95.70): BE1





#7

Naphthalene-d8

Concen: 0.400 ng

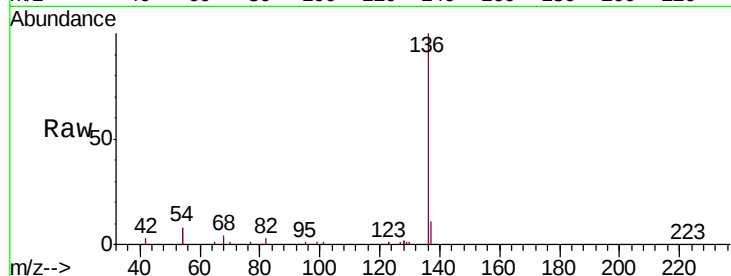
RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE100543.D

Acq: 23 Sep 2019 17:08

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 26738 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.1  | 8.6   | 13.0  |
| 54       | 15.3  | 12.4  | 18.6  |
| 68       | 3.9   | 3.3   | 4.9   |

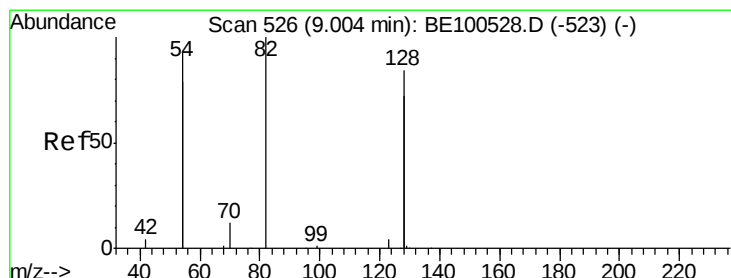
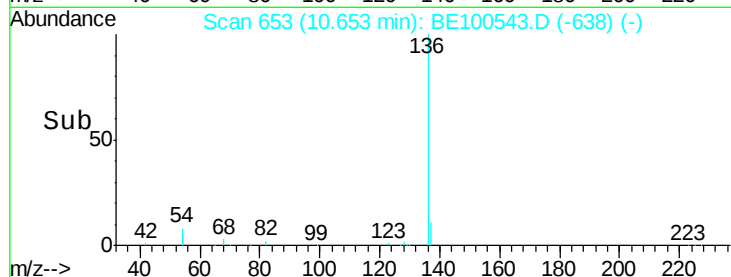
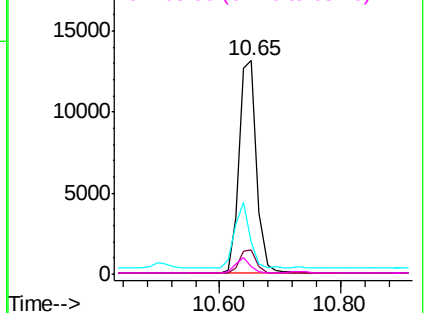


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1



#8

Nitrobenzene-d5

Concen: 0.427 ng

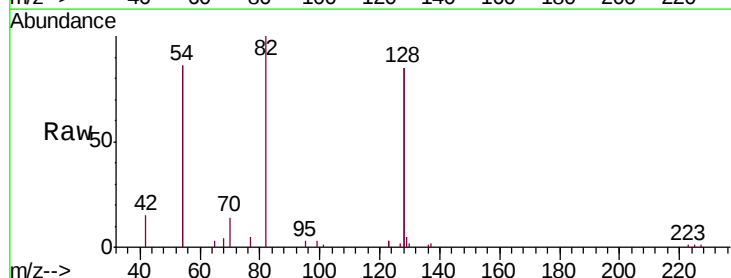
RT: 9.00 min Scan# 526

Delta R.T. -0.00 min

Lab File: BE100543.D

Acq: 23 Sep 2019 17:08

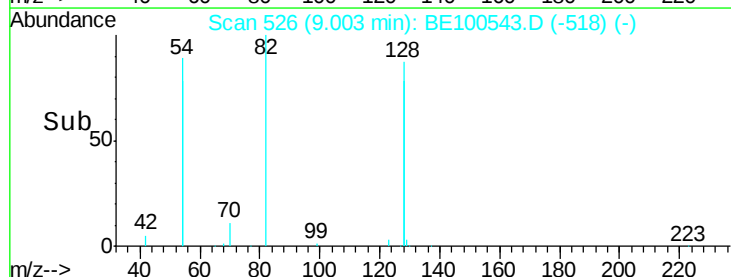
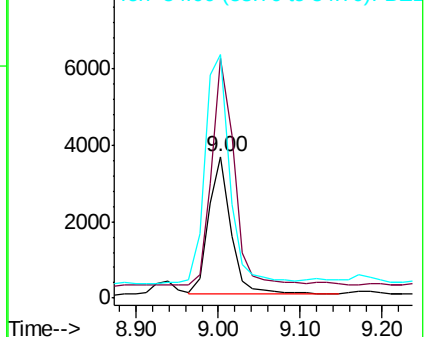
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 6580  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 170.0 | 129.4 | 194.2 |
| 54       | 172.1 | 143.3 | 214.9 |

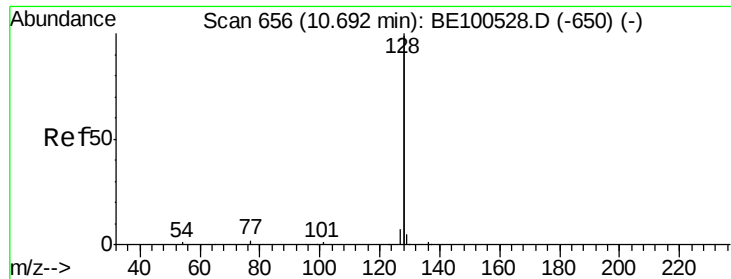


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.443 ng

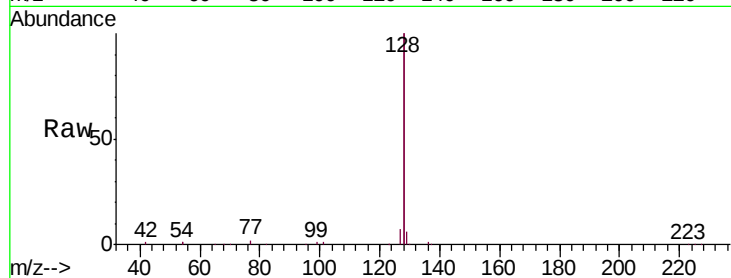
RT: 10.69 min Scan# 656

Delta R.T. -0.00 min

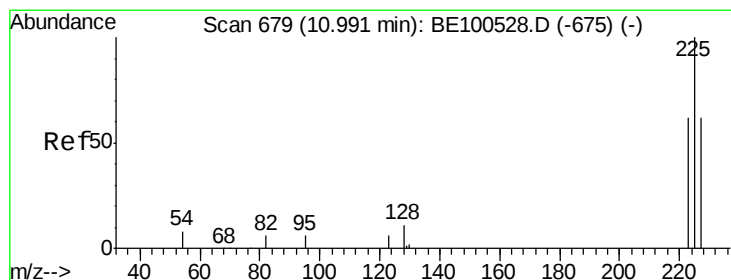
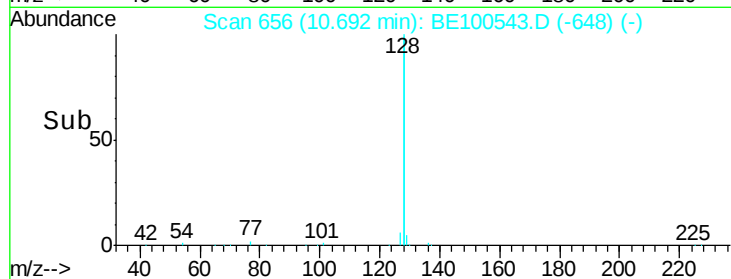
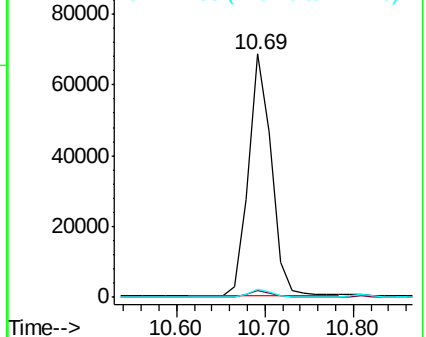
Lab File: BE100543.D

Acq: 23 Sep 2019 17:08

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 128   | Resp: | 122785 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 129      | 2.8   | 2.2   | 3.4    |
| 127      | 3.3   | 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



#10

Hexachlorobutadiene

Concen: 0.379 ng

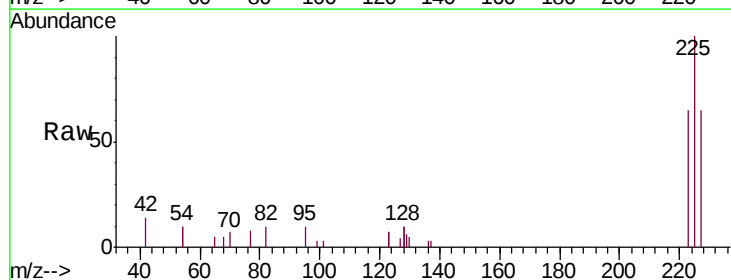
RT: 10.99 min Scan# 679

Delta R.T. -0.00 min

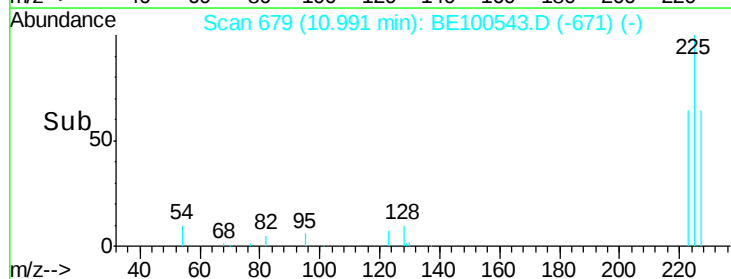
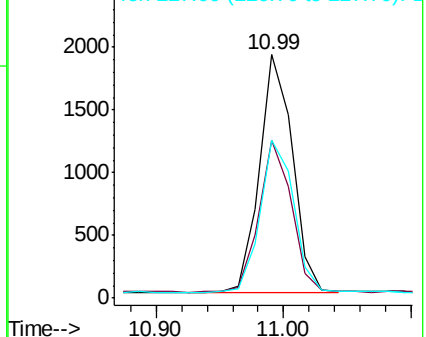
Lab File: BE100543.D

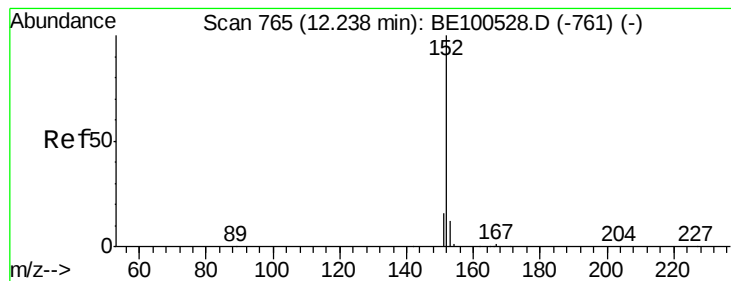
Acq: 23 Sep 2019 17:08

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 3363  |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 63.1  | 49.7  | 74.5  |
| 227      | 65.4  | 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: 0.472 ng

RT: 12.24 min Scan# 765

Delta R.T. -0.00 min

Lab File: BE100543.D

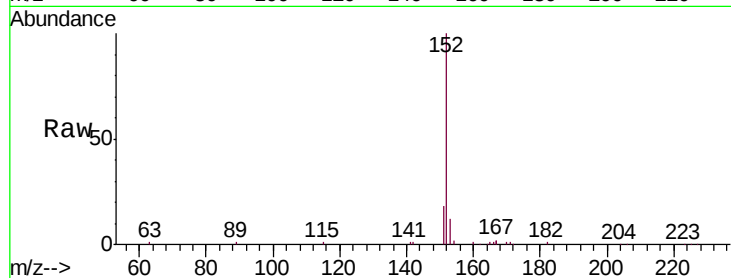
Acq: 23 Sep 2019 17:08

Tgt Ion:152 Resp: 18891

Ion Ratio Lower Upper

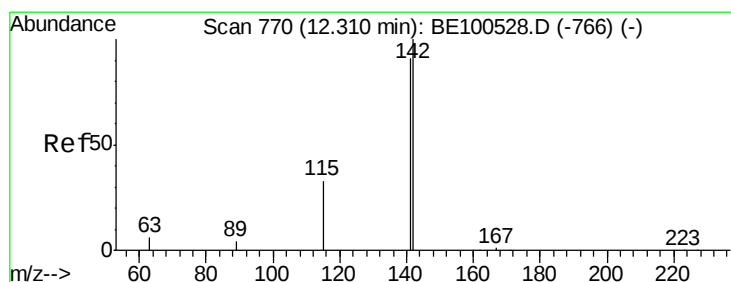
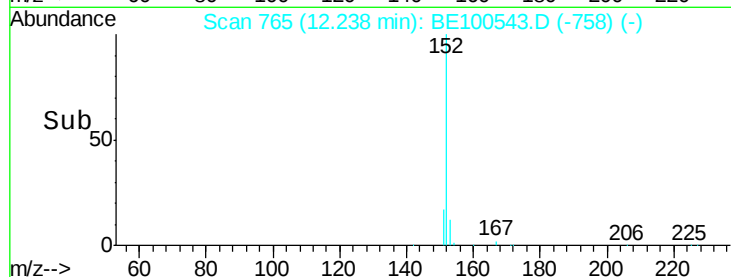
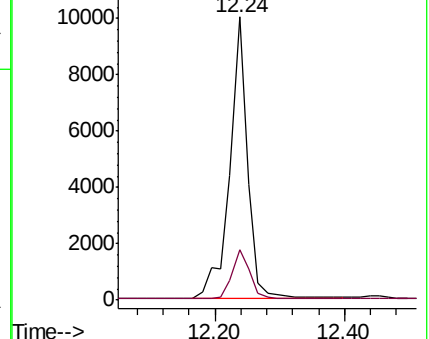
152 100

151 17.5 15.3 22.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.422 ng

RT: 12.31 min Scan# 770

Delta R.T. -0.00 min

Lab File: BE100543.D

Acq: 23 Sep 2019 17:08

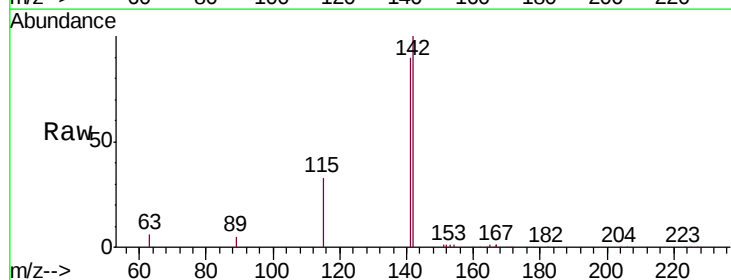
Tgt Ion:142 Resp: 18604

Ion Ratio Lower Upper

142 100

141 90.1 72.5 108.7

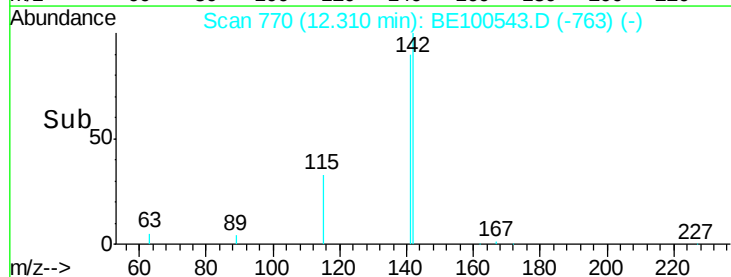
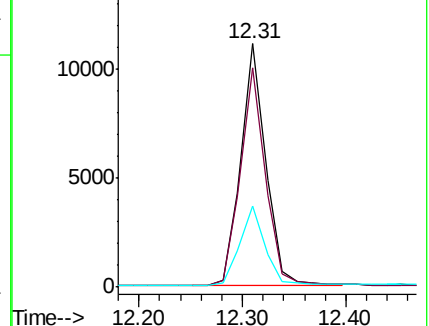
115 33.3 27.2 40.8

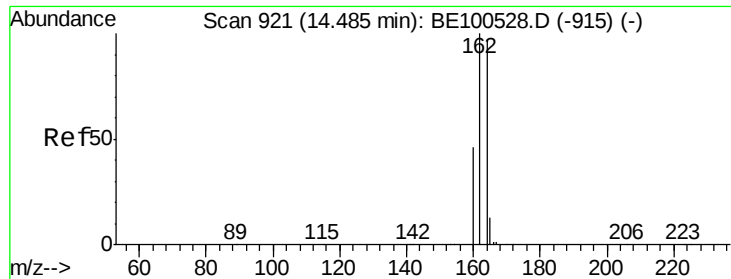


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

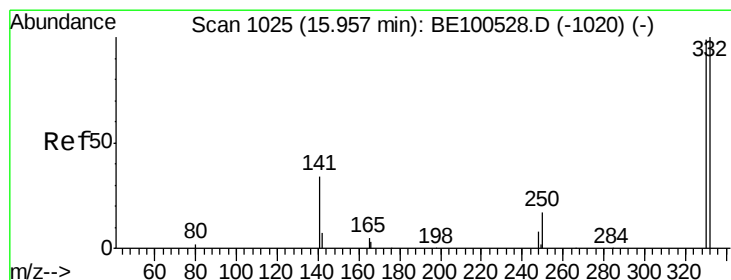
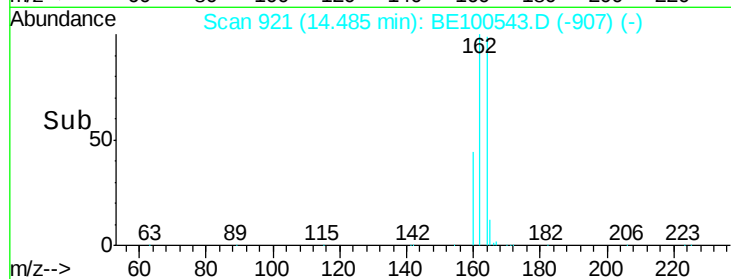
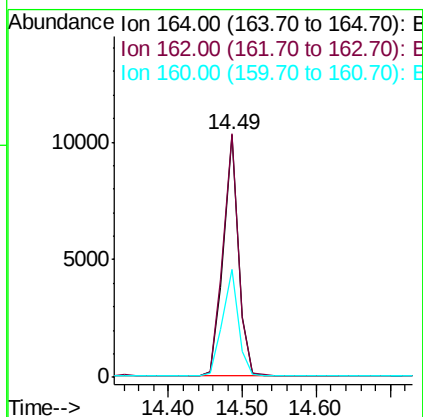
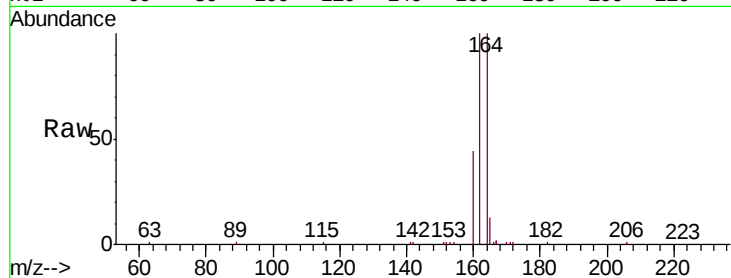
Ion 115.00 (114.70 to 115.70): E





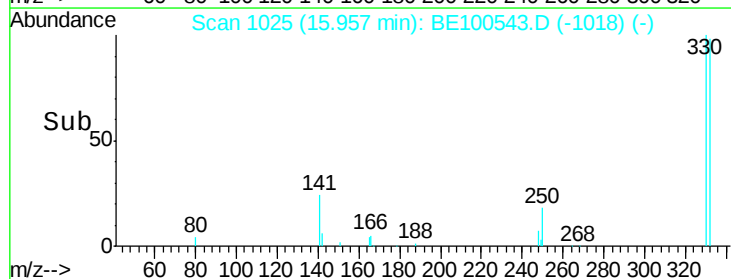
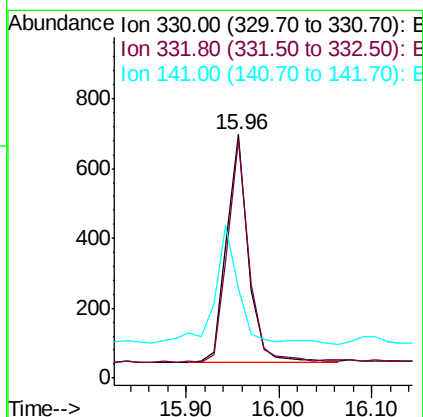
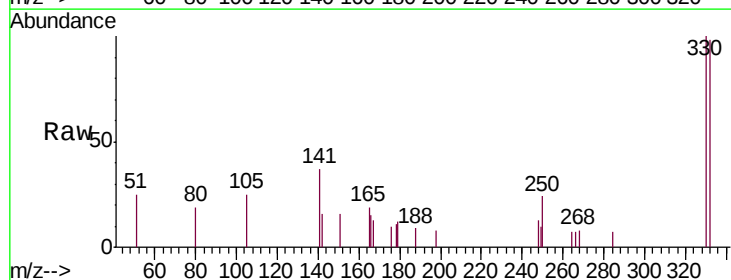
#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.49 min Scan# 921  
 Delta R.T. -0.00 min  
 Lab File: BE100543.D  
 Acq: 23 Sep 2019 17:08

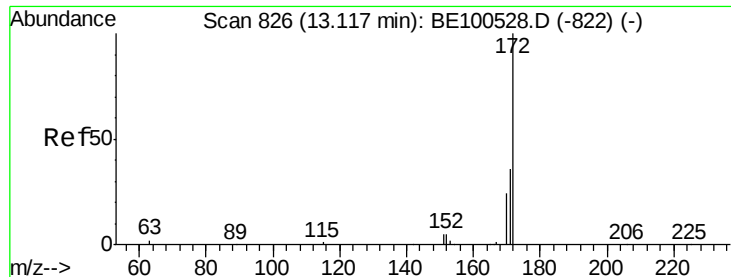
Tgt Ion: 164 Resp: 14745  
 Ion Ratio Lower Upper  
 164 100  
 162 100.4 82.1 123.1  
 160 44.6 37.6 56.4



#14  
 2,4,6-Tribromophenol  
 Concen: 0.442 ng  
 RT: 15.96 min Scan# 1025  
 Delta R.T. -0.00 min  
 Lab File: BE100543.D  
 Acq: 23 Sep 2019 17:08

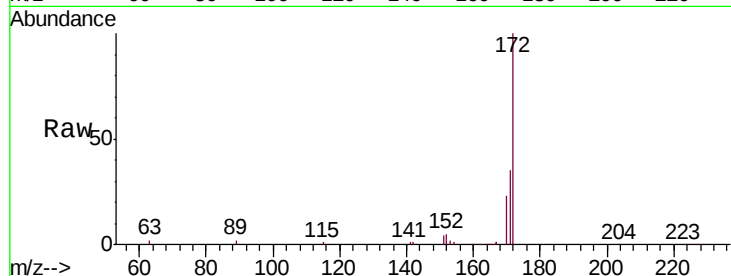
Tgt Ion: 330 Resp: 1055  
 Ion Ratio Lower Upper  
 330 100  
 332 99.0 75.5 113.3  
 141 50.4 42.3 63.5



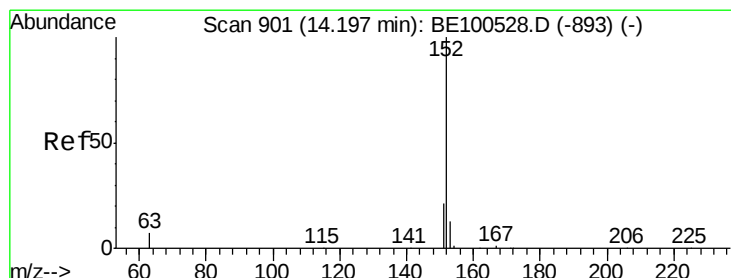
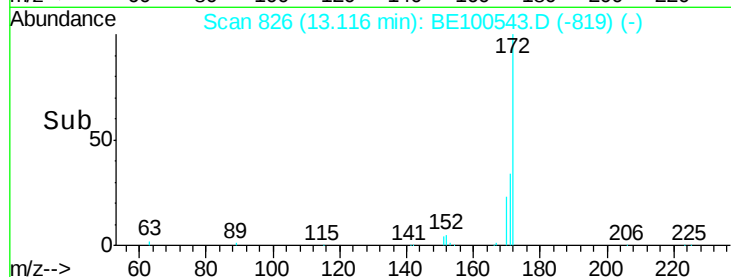
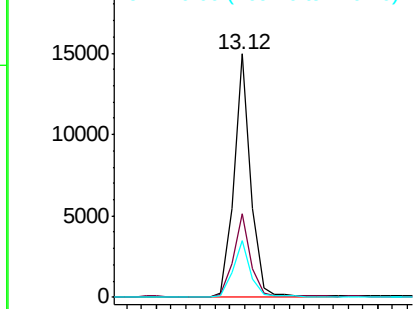


#15  
2-Fluorobiphenyl  
Concen: 0.443 ng  
RT: 13.12 min Scan# 826  
Delta R.T. -0.00 min  
Lab File: BE100543.D  
Acq: 23 Sep 2019 17:08

Tgt Ion:172 Resp: 23303  
Ion Ratio Lower Upper  
172 100  
171 34.5 28.8 43.2  
170 23.4 19.4 29.0

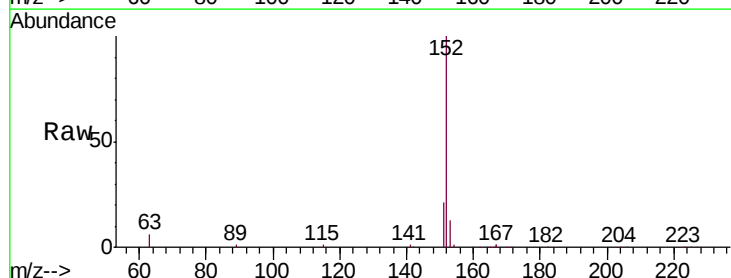


Abundance Ion 172.00 (171.70 to 172.70): E  
20000 Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

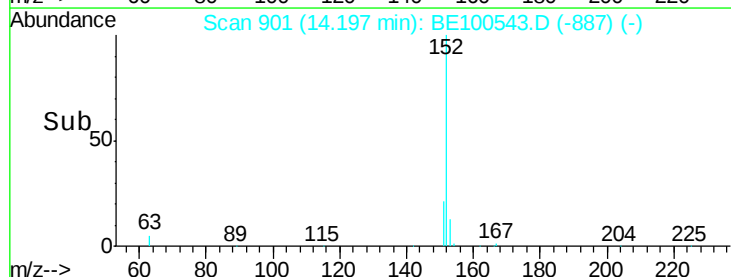
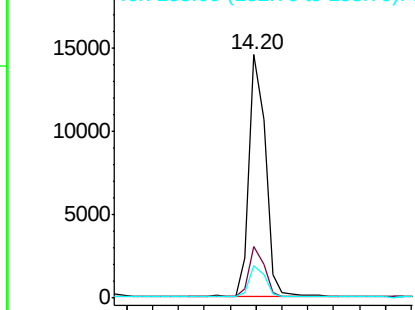


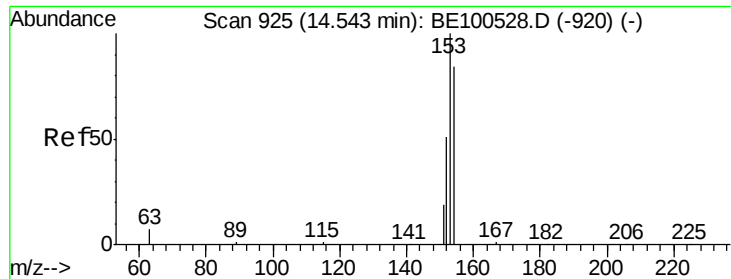
#16  
Acenaphthylene  
Concen: 0.423 ng  
RT: 14.20 min Scan# 901  
Delta R.T. -0.00 min  
Lab File: BE100543.D  
Acq: 23 Sep 2019 17:08

Tgt Ion:152 Resp: 25687  
Ion Ratio Lower Upper  
152 100  
151 19.9 15.9 23.9  
153 12.8 10.7 16.1



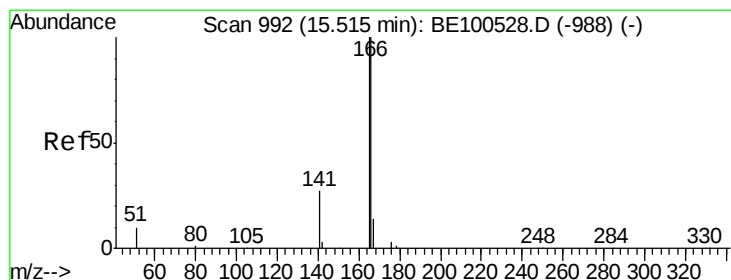
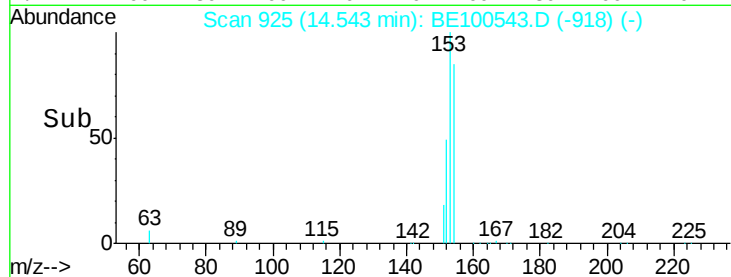
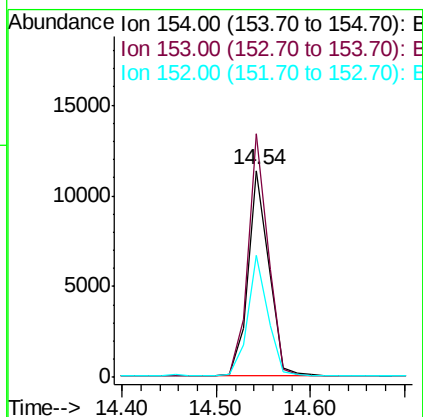
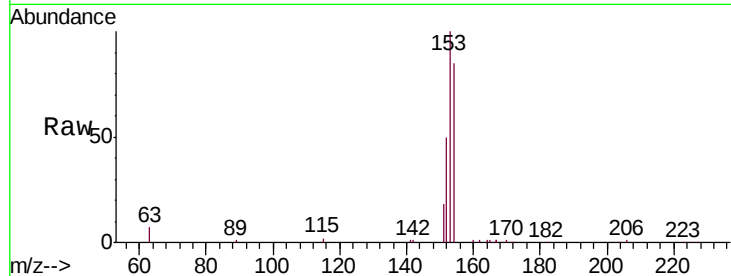
Abundance Ion 152.00 (151.70 to 152.70): E  
20000 Ion 151.00 (150.70 to 151.70): E  
Ion 153.00 (152.70 to 153.70): E





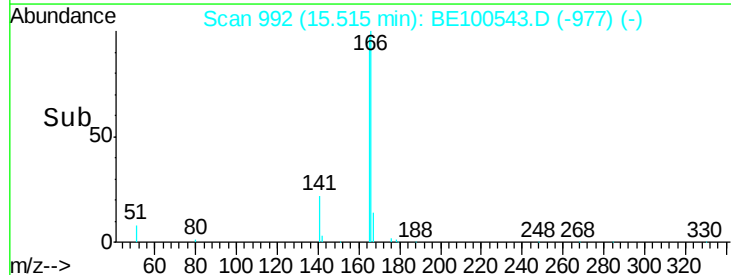
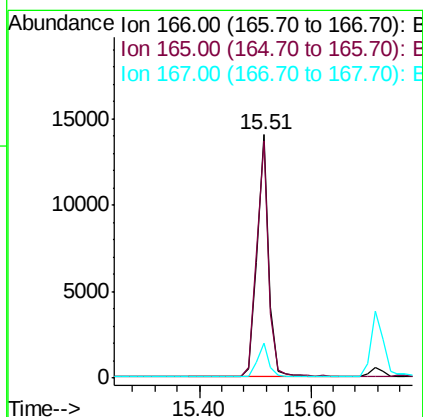
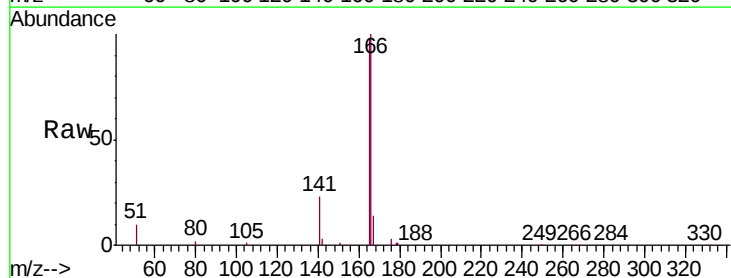
#17  
Acenaphthene  
Concen: 0.423 ng  
RT: 14.54 min Scan# 925  
Delta R.T. -0.00 min  
Lab File: BE100543.D  
Acq: 23 Sep 2019 17:08

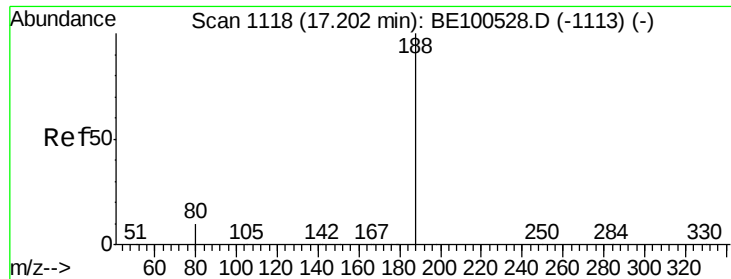
Tgt Ion:154 Resp: 17354  
Ion Ratio Lower Upper  
154 100  
153 114.5 93.7 140.5  
152 56.7 47.3 70.9



#18  
Fluorene  
Concen: 0.410 ng  
RT: 15.51 min Scan# 992  
Delta R.T. -0.00 min  
Lab File: BE100543.D  
Acq: 23 Sep 2019 17:08

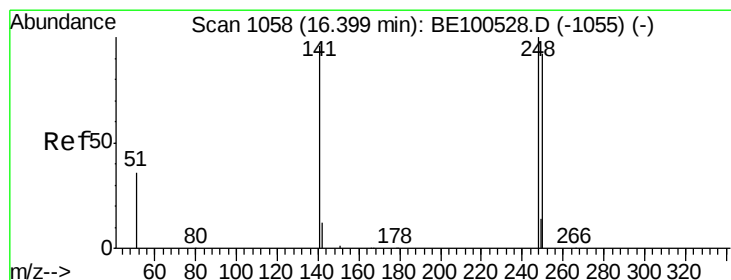
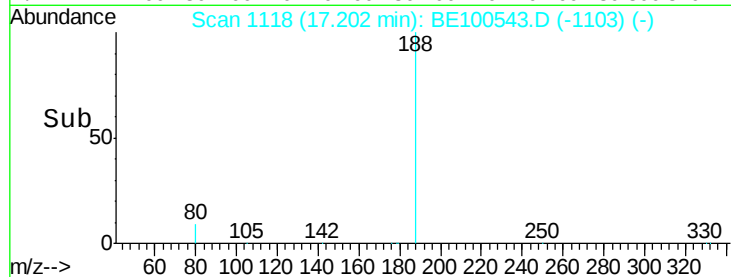
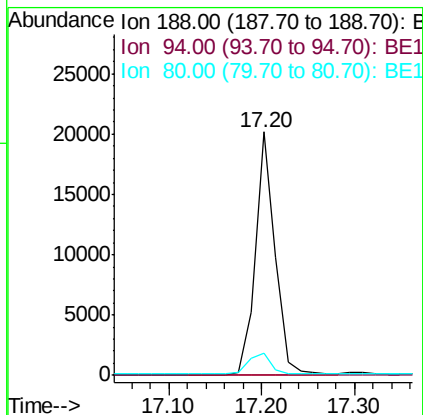
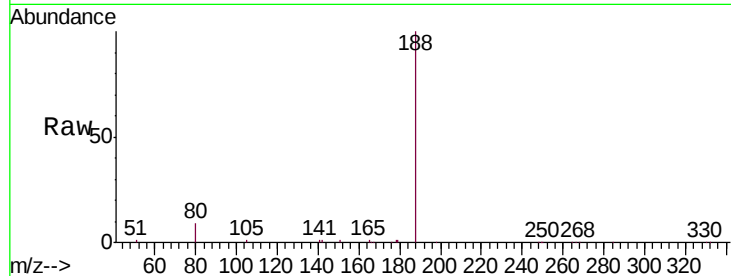
Tgt Ion:166 Resp: 21030  
Ion Ratio Lower Upper  
166 100  
165 99.2 80.1 120.1  
167 13.9 10.9 16.3





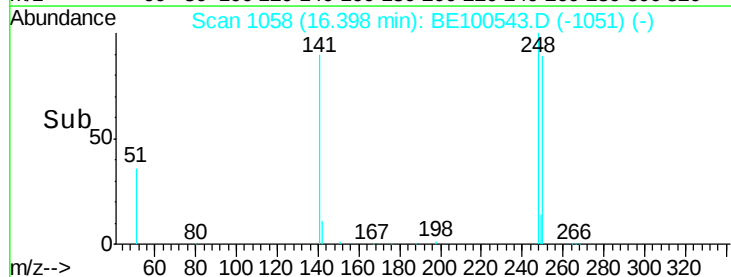
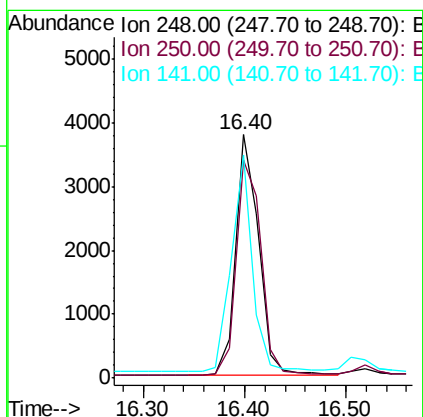
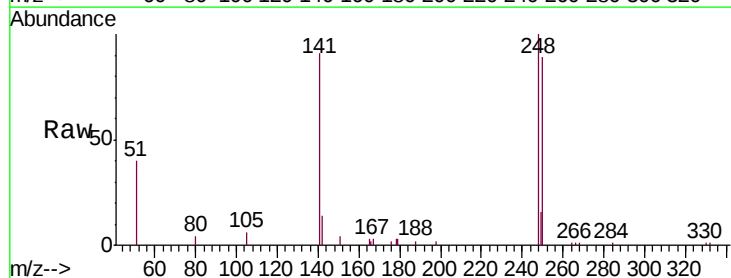
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.20 min Scan# 1118  
Delta R.T. -0.00 min  
Lab File: BE100543.D  
Acq: 23 Sep 2019 17:08

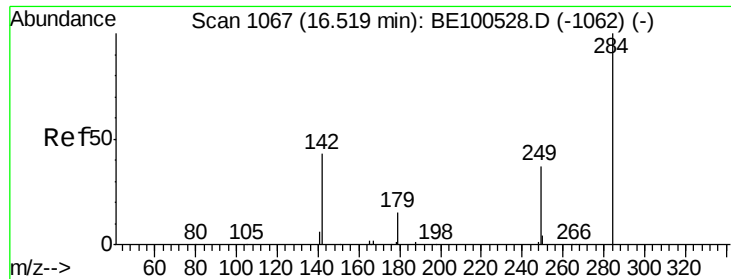
Tgt Ion:188 Resp: 29601  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 9.4 8.0 12.0



#20  
4-Bromophenyl-phenylether  
Concen: 0.425 ng  
RT: 16.40 min Scan# 1058  
Delta R.T. -0.00 min  
Lab File: BE100543.D  
Acq: 23 Sep 2019 17:08

Tgt Ion:248 Resp: 5913  
Ion Ratio Lower Upper  
248 100  
250 89.4 73.5 110.3  
141 91.4 77.0 115.4





#21

Hexachlorobenzene

Concen: 0.378 ng

RT: 16.52 min Scan# 1067

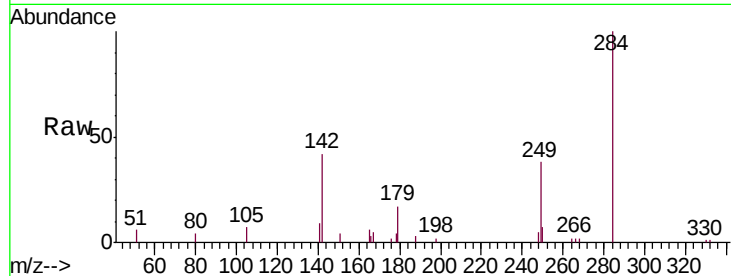
Delta R.T. -0.00 min

Lab File: BE100543.D

Acq: 23 Sep 2019 17:08

Tgt Ion: 284 Resp: 4584

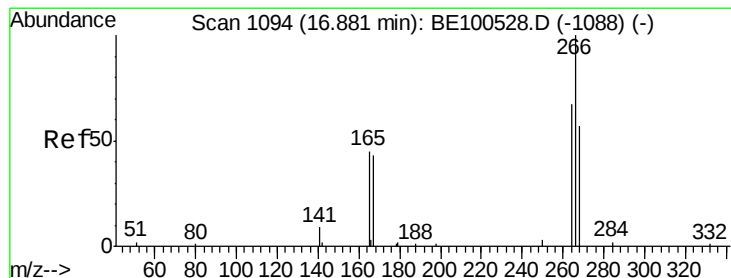
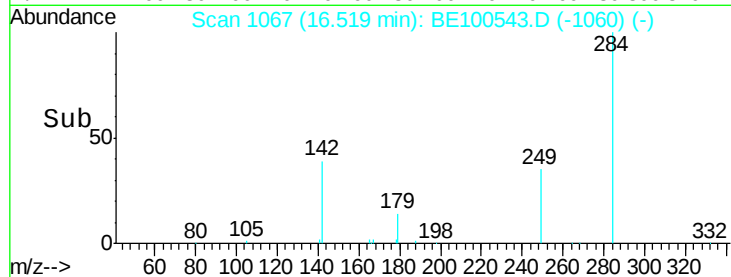
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 284 | 100   |       |       |
| 142 | 47.7  | 39.0  | 58.6  |
| 249 | 35.3  | 28.2  | 42.2  |



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: 1.109 ng

RT: 16.85 min Scan# 1092

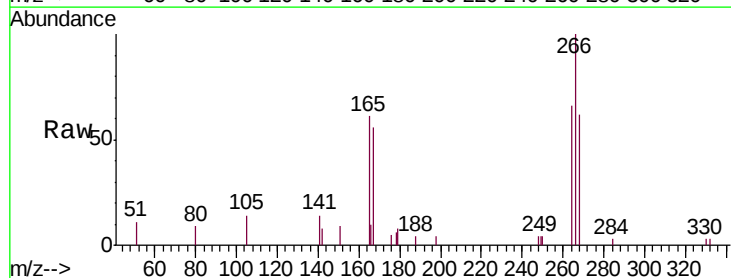
Delta R.T. -0.03 min

Lab File: BE100543.D

Acq: 23 Sep 2019 17:08

Tgt Ion: 266 Resp: 2946

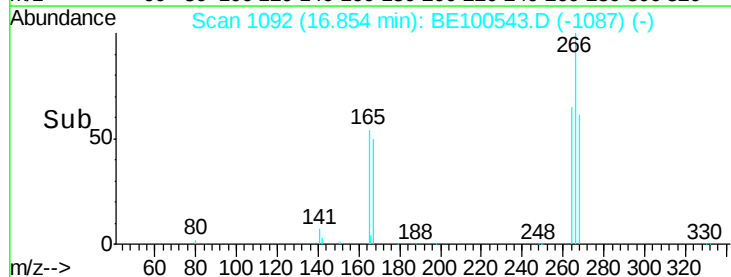
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 266 | 100   |       |       |
| 264 | 65.7  | 57.6  | 86.4  |
| 268 | 62.3  | 55.1  | 82.7  |

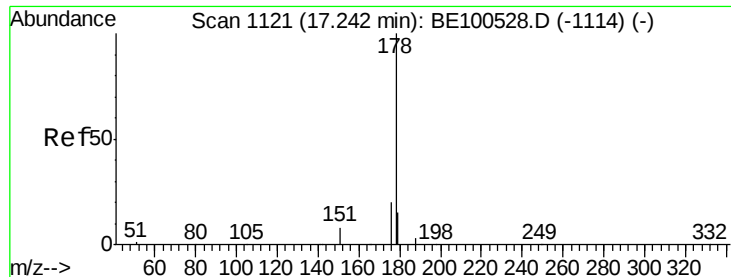


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

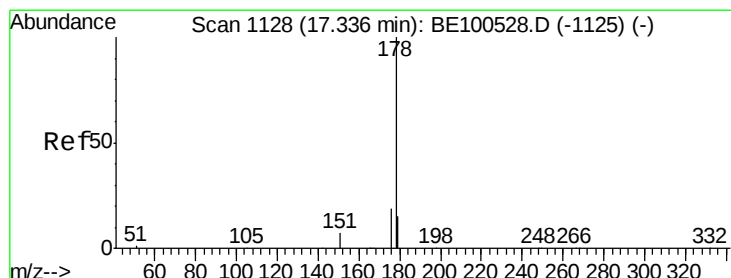
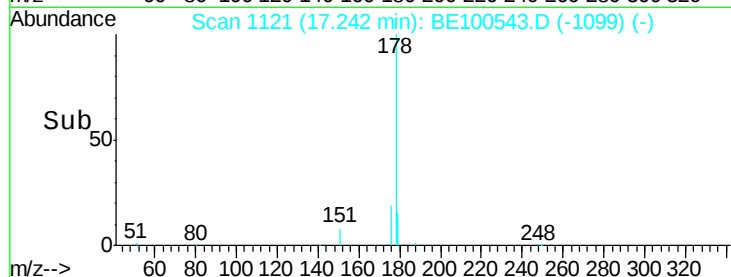
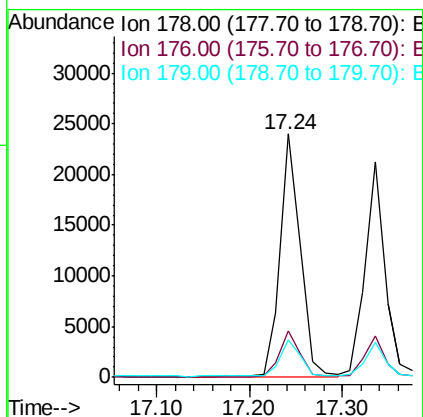
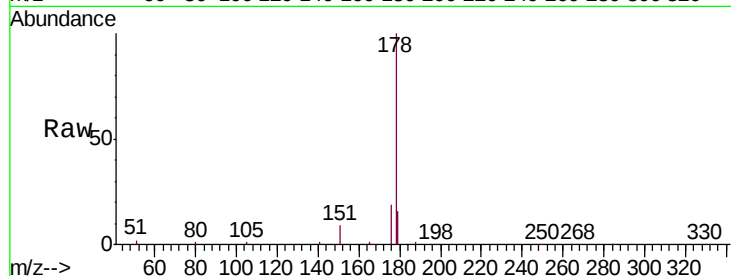
Ion 268.00 (267.70 to 268.70): E





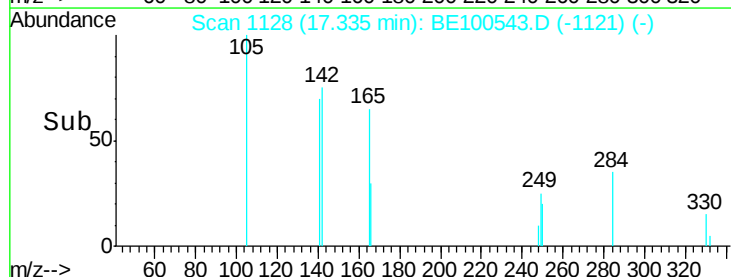
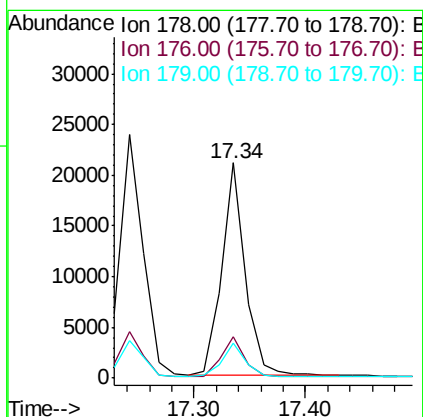
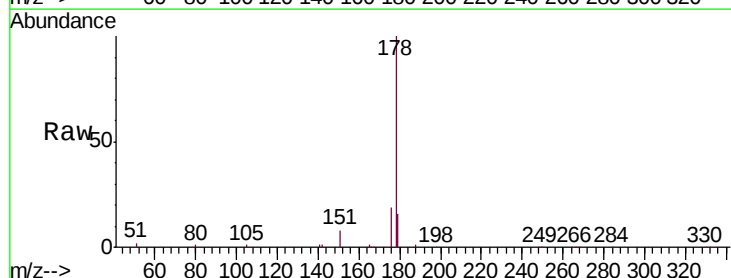
#23  
Phenanthrene  
Concen: 0.435 ng  
RT: 17.24 min Scan# 1121  
Delta R.T. -0.00 min  
Lab File: BE100543.D  
Acq: 23 Sep 2019 17:08

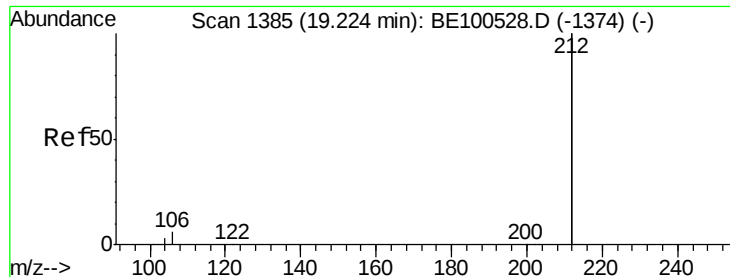
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.9  | 15.4  | 23.2  |
| 179     | 15.7  | 12.6  | 18.8  |



#24  
Anthracene  
Concen: 0.439 ng  
RT: 17.34 min Scan# 1128  
Delta R.T. -0.00 min  
Lab File: BE100543.D  
Acq: 23 Sep 2019 17:08

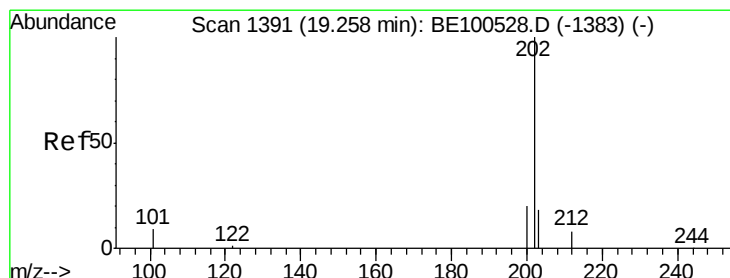
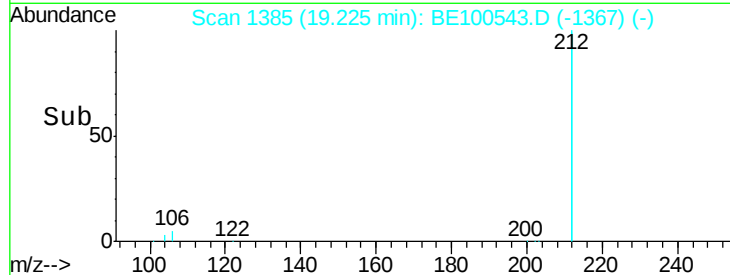
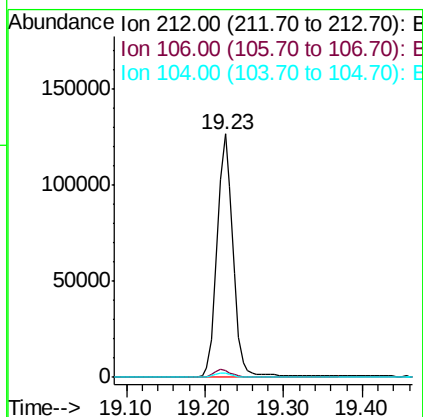
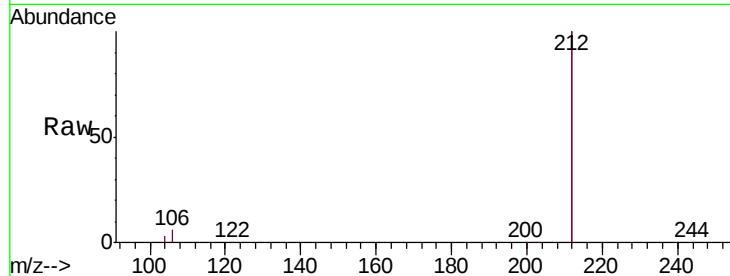
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.9  | 15.2  | 22.8  |
| 179     | 15.5  | 12.2  | 18.4  |





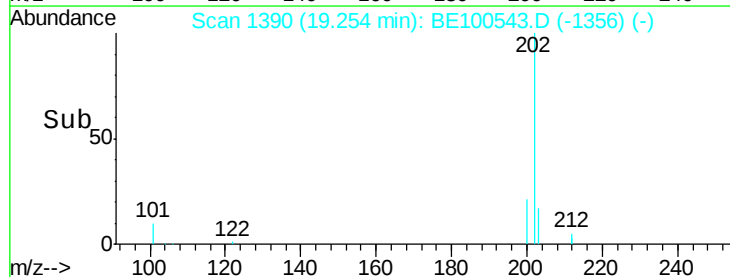
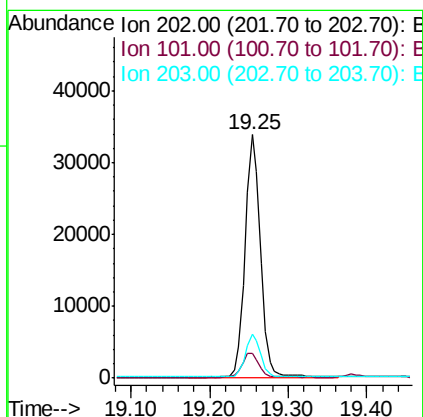
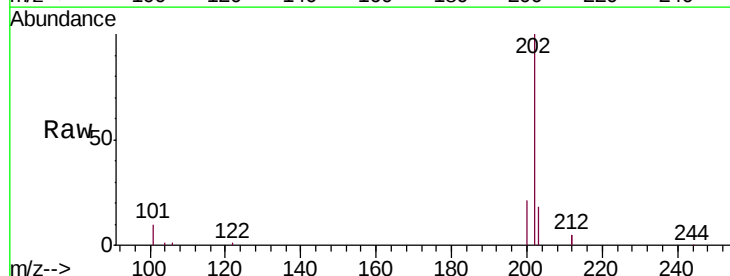
#25  
 Fluoranthene-d10  
 Concen: 0.491 ng  
 RT: 19.23 min Scan# 1385  
 Delta R.T. 0.00 min  
 Lab File: BE100543.D  
 Acq: 23 Sep 2019 17:08

Tgt Ion: 212 Resp: 173016  
 Ion Ratio Lower Upper  
 212 100  
 106 3.0 2.3 3.5  
 104 1.7 1.3 1.9



#26  
 Fluoranthene  
 Concen: 0.465 ng  
 RT: 19.25 min Scan# 1390  
 Delta R.T. -0.00 min  
 Lab File: BE100543.D  
 Acq: 23 Sep 2019 17:08

Tgt Ion: 202 Resp: 46270  
 Ion Ratio Lower Upper  
 202 100  
 101 11.2 8.8 13.2  
 203 17.2 13.7 20.5





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.37 min Scan# 1629

Delta R.T. -0.00 min

Lab File: BE100543.D

Acq: 23 Sep 2019 17:08

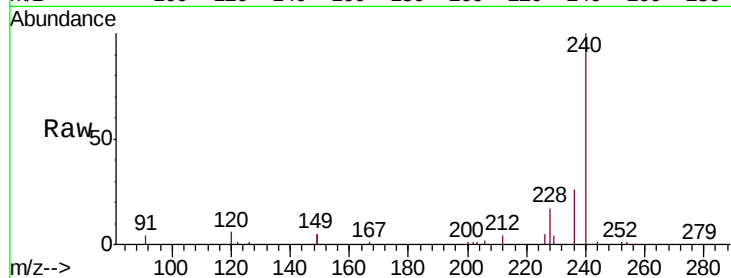
Tgt Ion:240 Resp: 39936

Ion Ratio Lower Upper

240 100

120 6.3 4.5 6.7

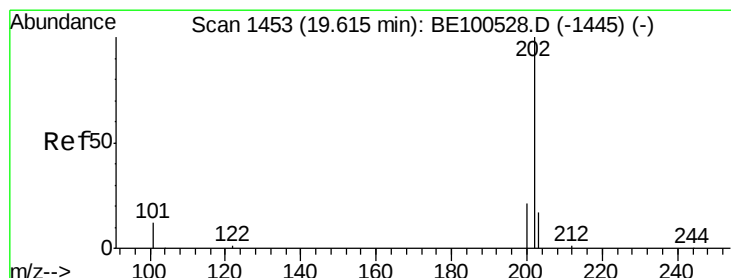
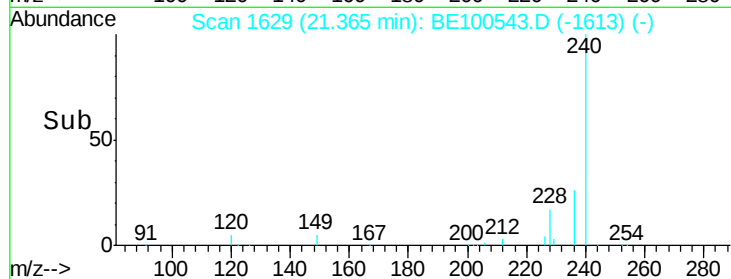
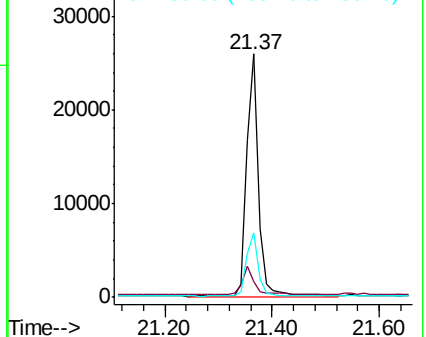
236 26.4 20.6 30.8



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: 0.425 ng

RT: 19.62 min Scan# 1453

Delta R.T. 0.00 min

Lab File: BE100543.D

Acq: 23 Sep 2019 17:08

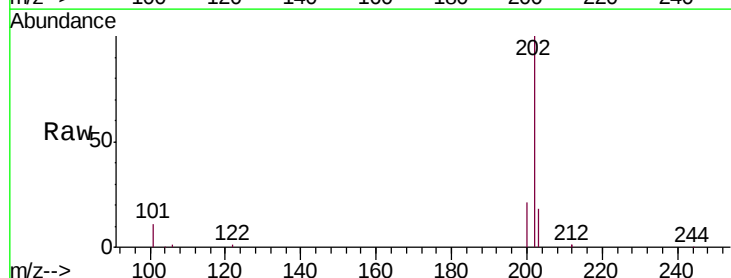
Tgt Ion:202 Resp: 48826

Ion Ratio Lower Upper

202 100

200 21.0 16.6 25.0

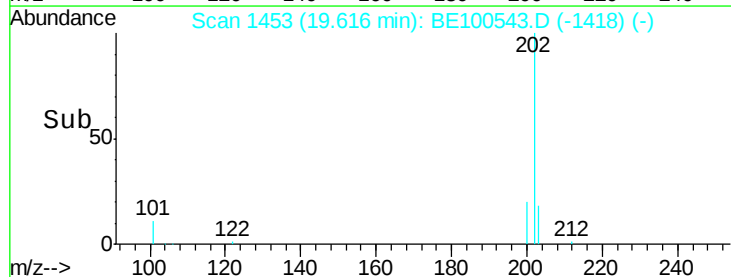
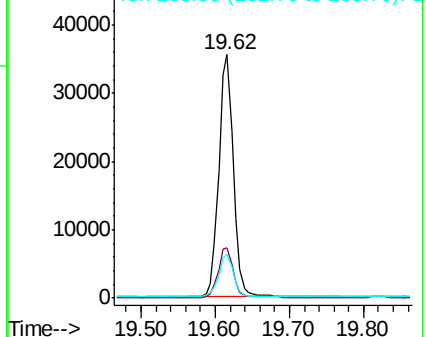
203 18.2 14.0 21.0

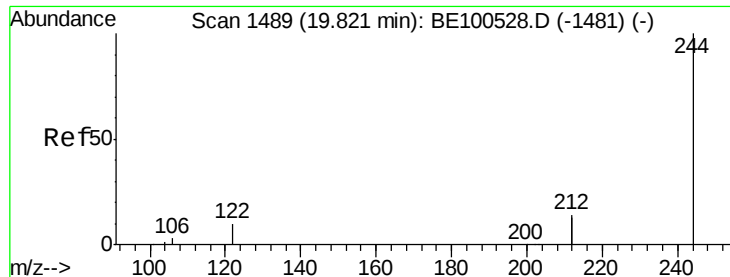


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

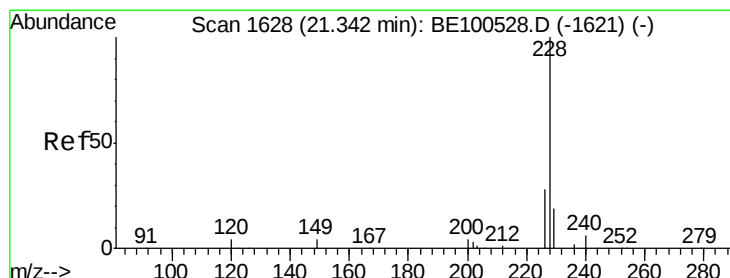
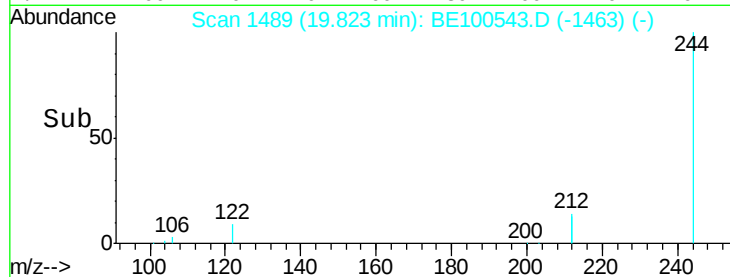
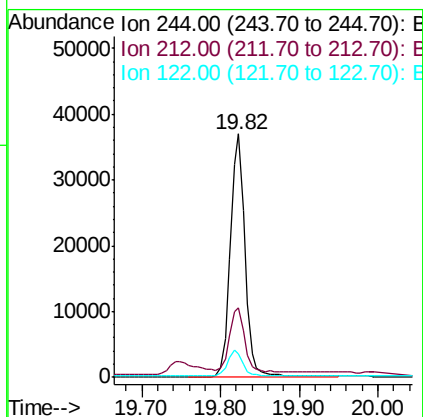
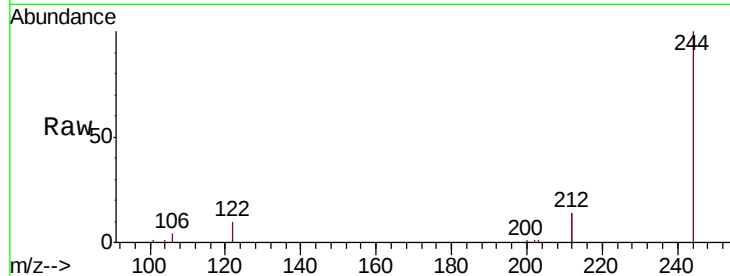
Ion 203.00 (202.70 to 203.70): E





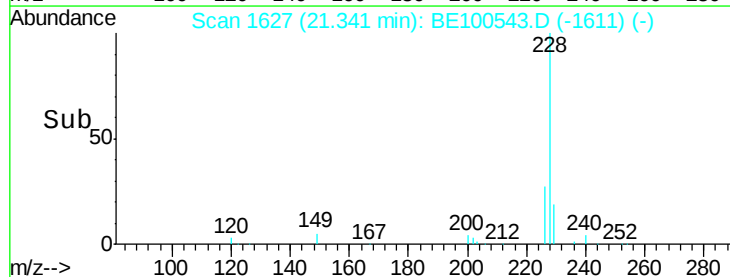
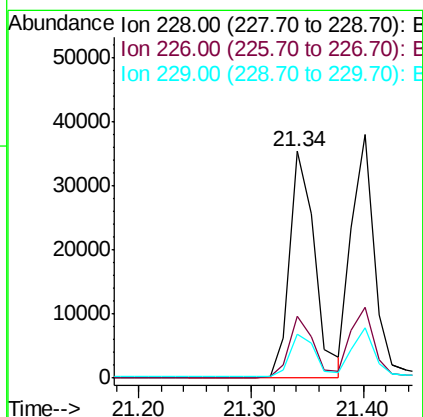
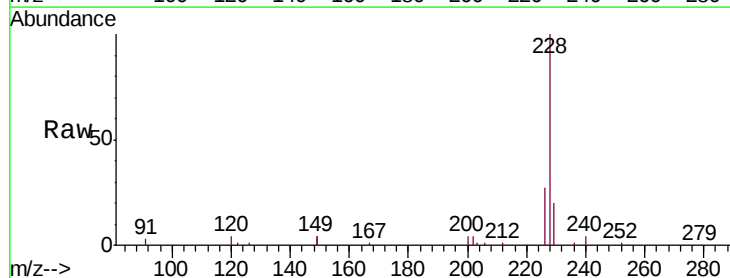
#29  
 Terphenyl-d14  
 Concen: 0.510 ng  
 RT: 19.82 min Scan# 1489  
 Delta R.T. 0.00 min  
 Lab File: BE100543.D  
 Acq: 23 Sep 2019 17:08

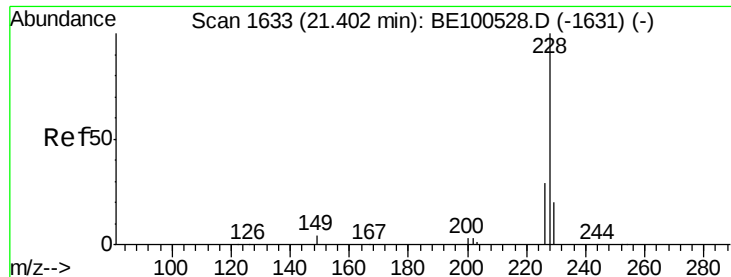
Tgt Ion: 244 Resp: 48205  
 Ion Ratio Lower Upper  
 244 100  
 212 28.4 22.2 33.2  
 122 9.6 8.3 12.5



#30  
 Benzo(a)anthracene  
 Concen: 0.505 ng  
 RT: 21.34 min Scan# 1627  
 Delta R.T. -0.00 min  
 Lab File: BE100543.D  
 Acq: 23 Sep 2019 17:08

Tgt Ion: 228 Resp: 53882  
 Ion Ratio Lower Upper  
 228 100  
 226 27.3 22.5 33.7  
 229 19.6 15.4 23.2





#31

Chrysene

Concen: 0.434 ng

RT: 21.40 min Scan# 1632

Delta R.T. -0.00 min

Lab File: BE100543.D

Acq: 23 Sep 2019 17:08

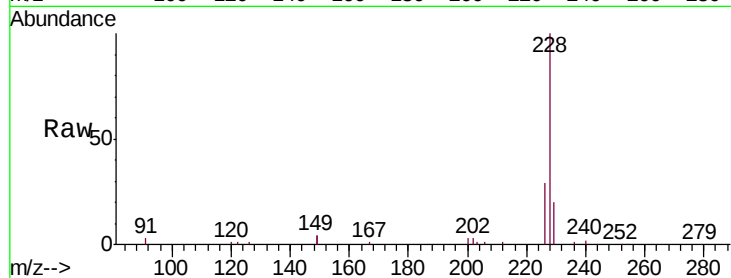
Tgt Ion: 228 Resp: 52786

Ion Ratio Lower Upper

228 100

226 29.1 23.3 34.9

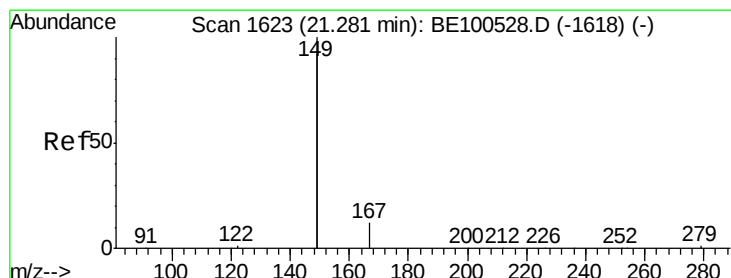
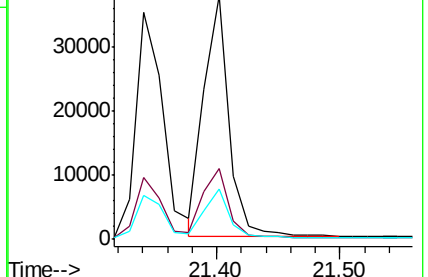
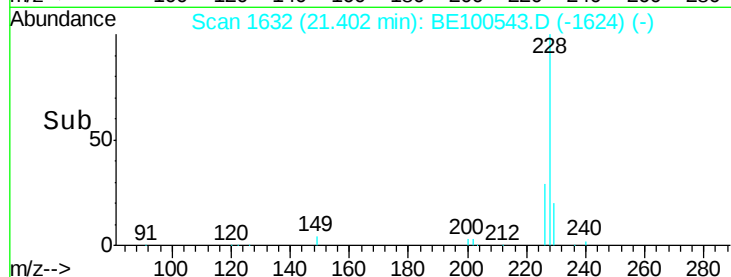
229 20.5 16.3 24.5



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.923 ng

RT: 21.28 min Scan# 1622

Delta R.T. -0.00 min

Lab File: BE100543.D

Acq: 23 Sep 2019 17:08

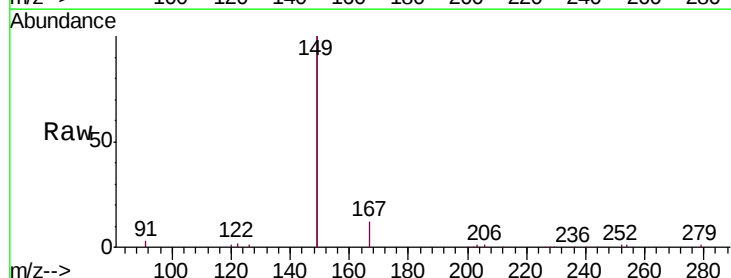
Tgt Ion: 149 Resp: 106086

Ion Ratio Lower Upper

149 100

167 6.4 5.2 7.8

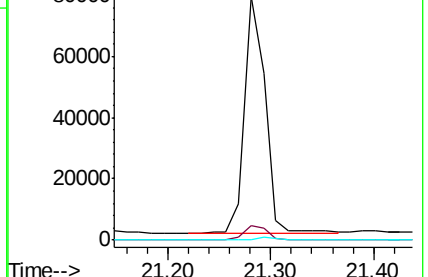
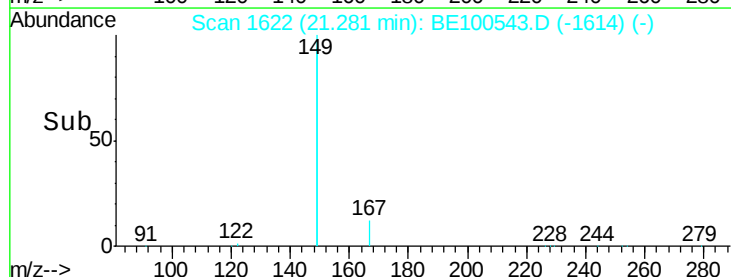
279 1.0 1.0 1.4

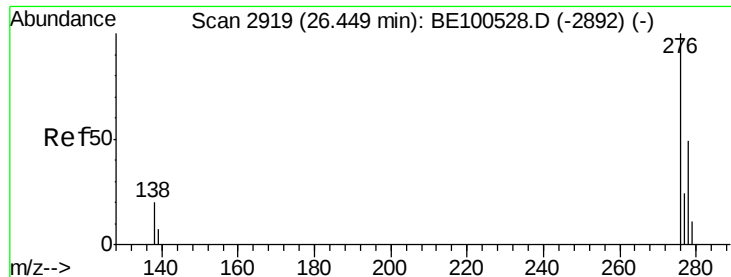


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

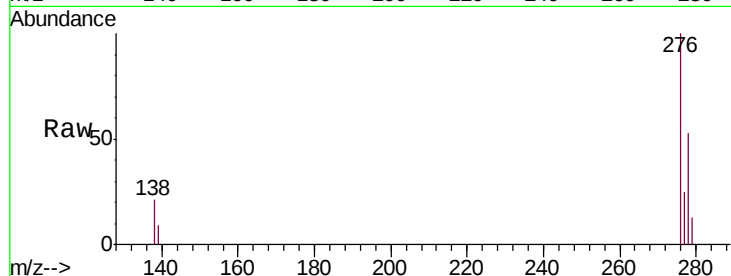
Ion 279.00 (278.70 to 279.70): E



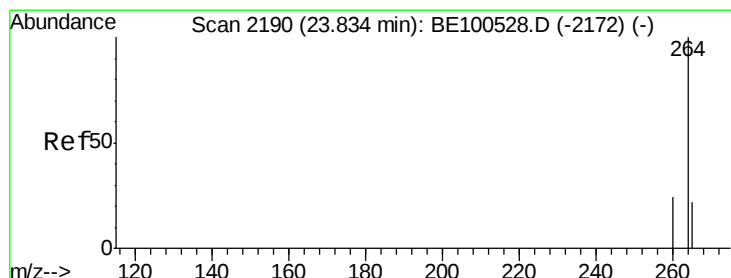
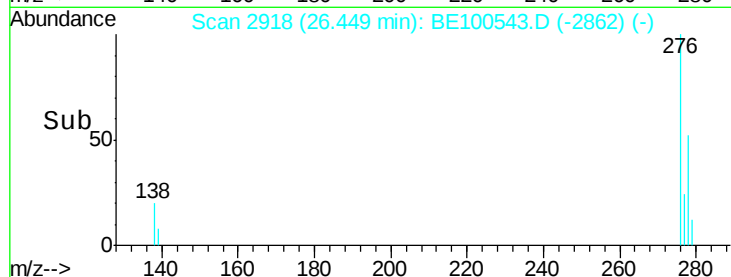
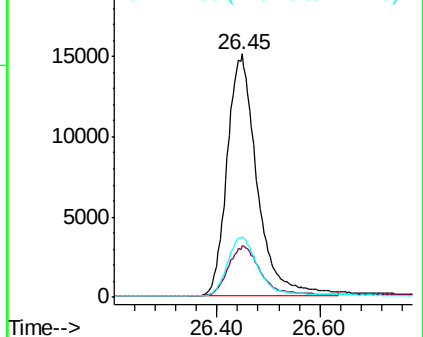


#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.452 ng  
 RT: 26.45 min Scan# 2918  
 Delta R.T. -0.00 min  
 Lab File: BE100543.D  
 Acq: 23 Sep 2019 17:08

Tgt Ion: 276 Resp: 61051  
 Ion Ratio Lower Upper  
 276 100  
 138 22.3 17.7 26.5  
 277 24.8 19.9 29.9

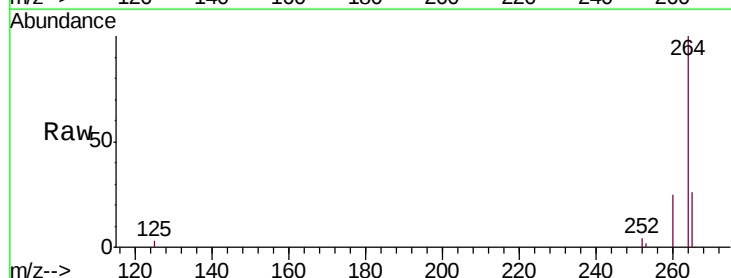


Abundance Ion 276.00 (275.70 to 276.70): E  
 Ion 138.00 (137.70 to 138.70): E  
 Ion 277.00 (276.70 to 277.70): E

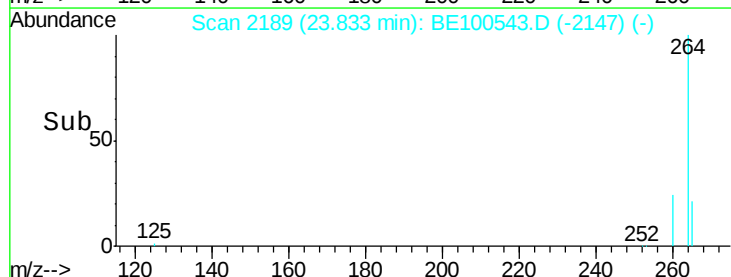
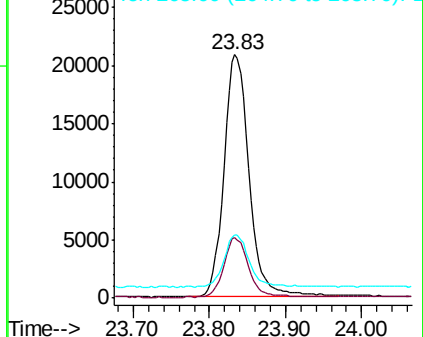


#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.83 min Scan# 2189  
 Delta R.T. -0.00 min  
 Lab File: BE100543.D  
 Acq: 23 Sep 2019 17:08

Tgt Ion: 264 Resp: 48071  
 Ion Ratio Lower Upper  
 264 100  
 260 24.7 19.6 29.4  
 265 25.8 21.8 32.8



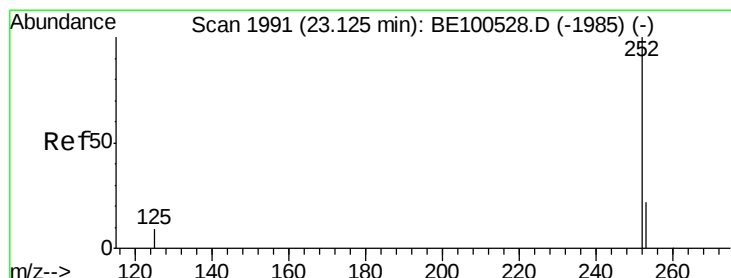
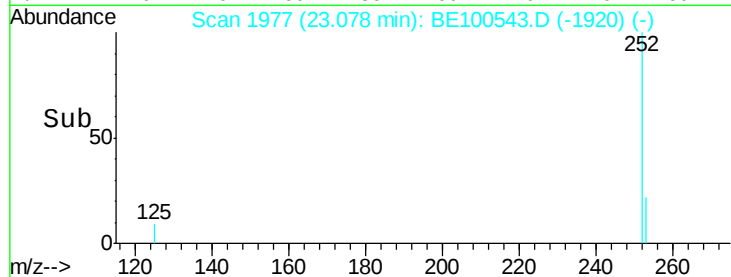
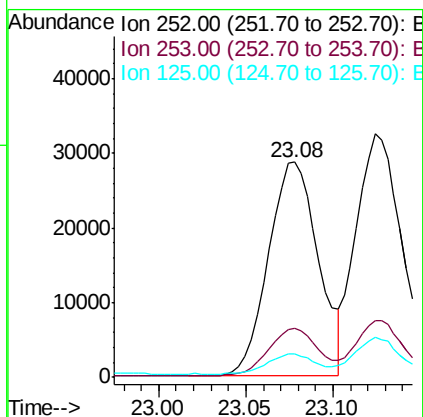
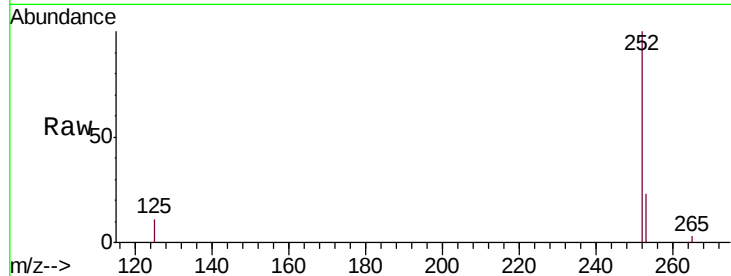
Abundance Ion 264.00 (263.70 to 264.70): E  
 Ion 260.00 (259.70 to 260.70): E  
 Ion 265.00 (264.70 to 265.70): E





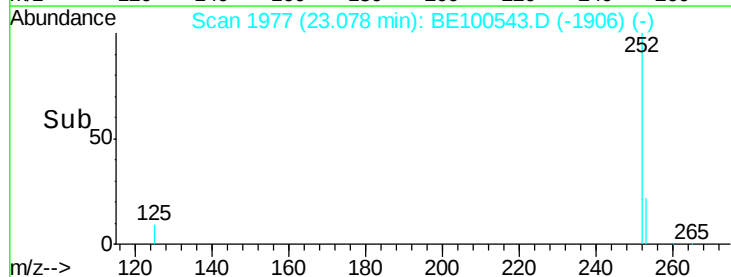
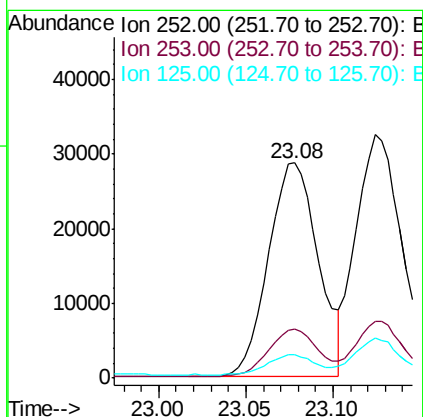
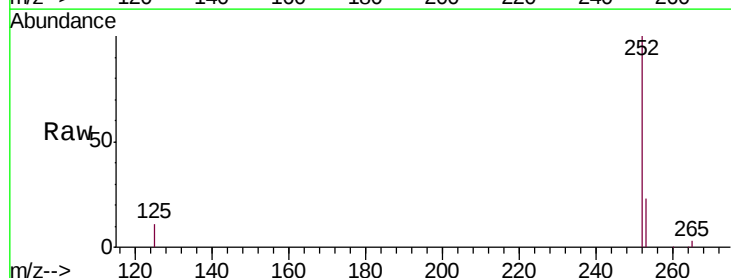
#35  
Benzo(b)fluoranthene  
Concen: 0.439 ng  
RT: 23.08 min Scan# 1977  
Delta R.T. 0.00 min  
Lab File: BE100543.D  
Acq: 23 Sep 2019 17:08

Tgt Ion: 252 Resp: 57054  
Ion Ratio Lower Upper  
252 100  
253 23.0 18.1 27.1  
125 10.8 8.0 12.0



#36  
Benzo(k)fluoranthene  
Concen: 0.379 ng  
RT: 23.08 min Scan# 1977  
Delta R.T. -0.05 min  
Lab File: BE100543.D  
Acq: 23 Sep 2019 17:08

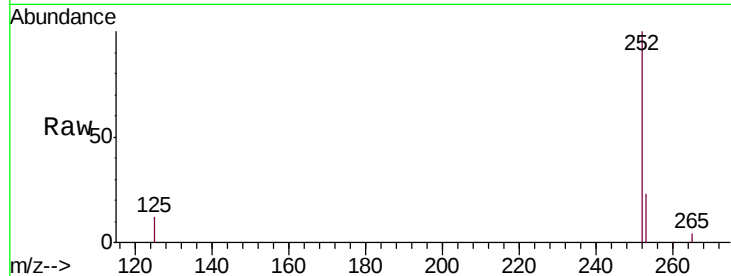
Tgt Ion: 252 Resp: 57054  
Ion Ratio Lower Upper  
252 100  
253 23.0 17.9 26.9  
125 10.8 8.5 12.7



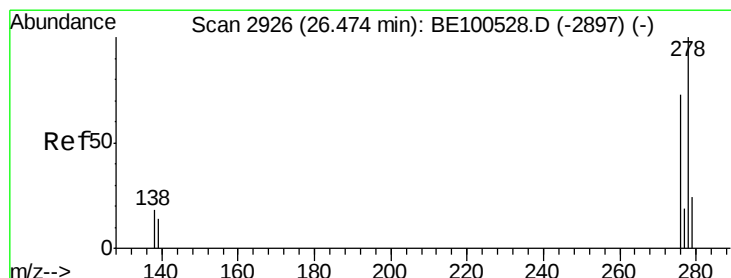
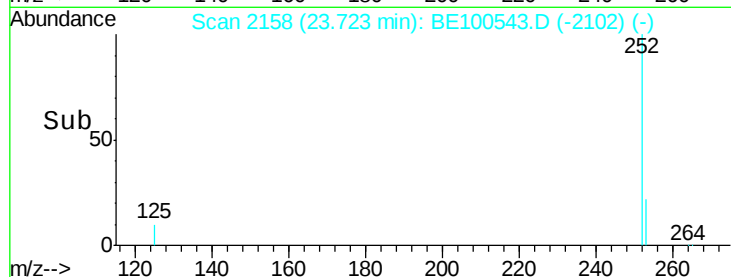
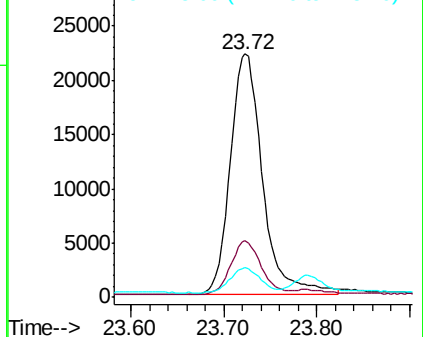


#37  
Benzo(a)pyrene  
Concen: 0.444 ng  
RT: 23.72 min Scan# 2158  
Delta R.T. -0.00 min  
Lab File: BE100543.D  
Acq: 23 Sep 2019 17:08

Tgt Ion: 252 Resp: 53926  
Ion Ratio Lower Upper  
252 100  
253 23.3 18.1 27.1  
125 12.2 9.2 13.8

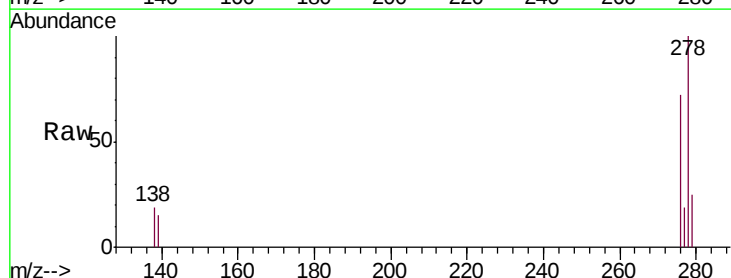


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

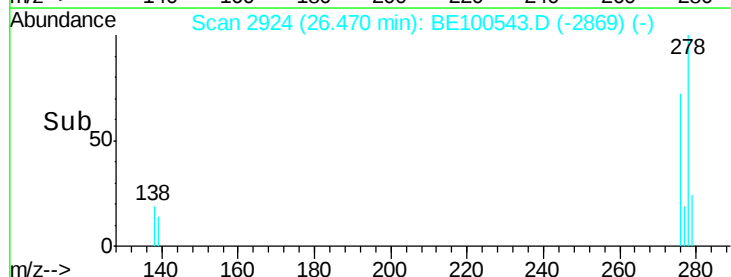
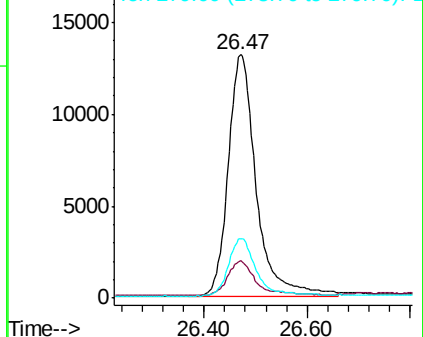


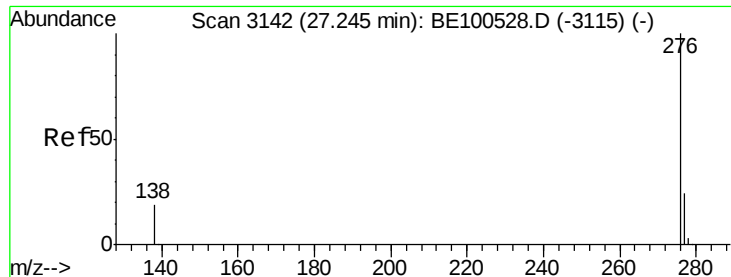
#38  
Dibenzo(a,h)anthracene  
Concen: 0.397 ng  
RT: 26.47 min Scan# 2924  
Delta R.T. -0.00 min  
Lab File: BE100543.D  
Acq: 23 Sep 2019 17:08

Tgt Ion: 278 Resp: 50189  
Ion Ratio Lower Upper  
278 100  
139 15.2 11.6 17.4  
279 24.6 19.7 29.5



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: 0.415 ng

RT: 27.24 min Scan# 3141

Delta R.T. -0.00 min

Lab File: BE100543.D

Acq: 23 Sep 2019 17:08

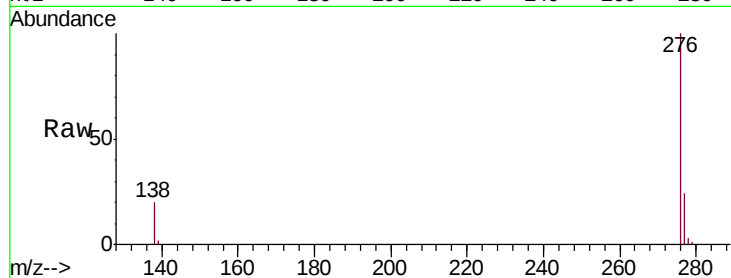
Tgt Ion: 276 Resp: 54722

Ion Ratio Lower Upper

276 100

277 24.4 19.2 28.8

138 20.0 15.7 23.5



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

