

Data File : BE101097.D  
Acq On : 20 Jan 2020 11:33  
Operator : JU  
Sample : PB126102BS  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
PB126102BS

Quant Time: Jan 21 02:06:14 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE010820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jan 08 18:36:25 2020  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.72  | 152  | 1292     | 0.40 | ng    | -0.01    |
| 7) Naphthalene-d8         | 10.50 | 136  | 6092     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.36 | 164  | 4301     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.09 | 188  | 11147    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.27 | 240  | 18540    | 0.40 | ng    | -0.01    |
| 34) Perylene-d12          | 23.70 | 264  | 22400    | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 4) 2-Fluorophenol           | 5.33  | 112 | 1372  | 0.47 | ng | -0.01 |
| 5) Phenol-d6                | 6.91  | 99  | 1402  | 0.38 | ng | -0.01 |
| 8) Nitrobenzene-d5          | 8.87  | 82  | 1557  | 0.36 | ng | 0.00  |
| 11) 2-Methylnaphthalene-d10 | 12.11 | 152 | 4627  | 0.40 | ng | 0.00  |
| 14) 2,4,6-Tribromophenol    | 15.85 | 330 | 354   | 0.29 | ng | 0.00  |
| 15) 2-Fluorobiphenyl        | 12.99 | 172 | 5872  | 0.36 | ng | -0.01 |
| 25) Fluoranthene-d10        | 19.13 | 212 | 66770 | 0.43 | ng | 0.00  |
| 29) Terphenyl-d14           | 19.73 | 244 | 12742 | 0.28 | ng | 0.00  |

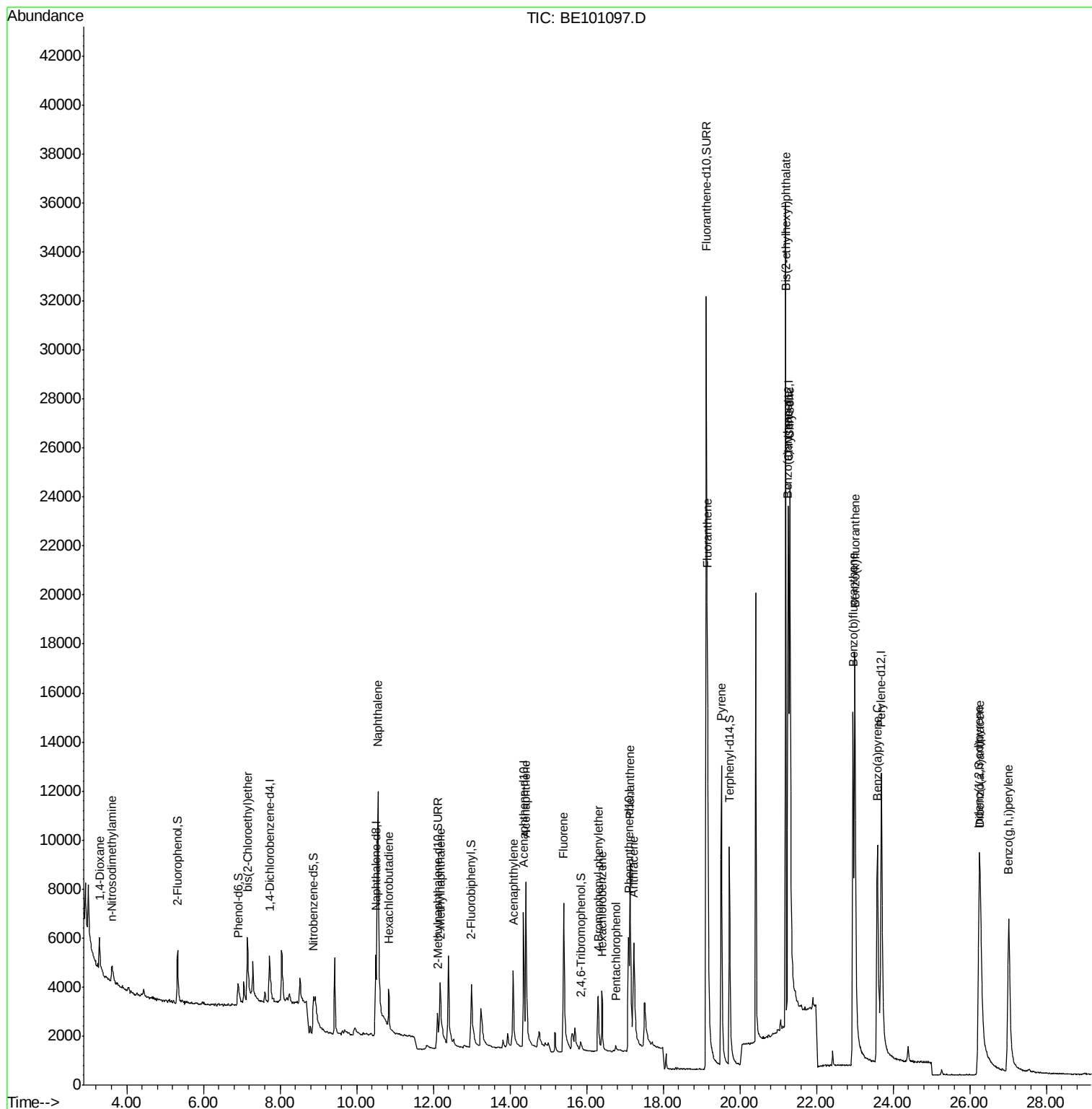
|                                |       |     |       |        |    |       |
|--------------------------------|-------|-----|-------|--------|----|-------|
| Target Compounds               |       |     |       | Qvalue |    |       |
| 2) 1,4-Dioxane                 | 3.29  | 88  | 1033  | 0.301  | ng | 87    |
| 3) n-Nitrosodimethylamine      | 3.61  | 42  | 628   | 0.350  | ng | # 87  |
| 6) bis(2-Chloroethyl)ether     | 7.15  | 93  | 1733  | 0.396  | ng | # 92  |
| 9) Naphthalene                 | 10.55 | 128 | 25765 | 0.381  | ng | 99    |
| 10) Hexachlorobutadiene        | 10.84 | 225 | 1168  | 0.408  | ng | 99    |
| 12) 2-Methylnaphthalene        | 12.18 | 142 | 3874  | 0.379  | ng | 99    |
| 16) Acenaphthylene             | 14.08 | 152 | 6148  | 0.351  | ng | 99    |
| 17) Acenaphthene               | 14.41 | 154 | 4673  | 0.373  | ng | 99    |
| 18) Fluorene                   | 15.39 | 166 | 5981  | 0.377  | ng | 98    |
| 20) 4-Bromophenyl-phenylether  | 16.30 | 248 | 2132  | 0.392  | ng | 99    |
| 21) Hexachlorobenzene          | 16.41 | 284 | 2201  | 0.369  | ng | 97    |
| 22) Pentachlorophenol          | 16.76 | 266 | 240   | 0.365  | ng | # 86  |
| 23) Phenanthrene               | 17.13 | 178 | 11219 | 0.369  | ng | 99    |
| 24) Anthracene                 | 17.23 | 178 | 10412 | 0.363  | ng | 97    |
| 26) Fluoranthene               | 19.16 | 202 | 16679 | 0.438  | ng | 98    |
| 28) Pyrene                     | 19.52 | 202 | 17222 | 0.250  | ng | 99    |
| 30) Benzo(a)anthracene         | 21.26 | 228 | 18686 | 0.353  | ng | 98    |
| 31) Chrysene                   | 21.31 | 228 | 31725 | 0.403  | ng | 98    |
| 32) Bis(2-ethylhexyl)phthalate | 21.20 | 149 | 36328 | 0.412  | ng | # 100 |
| 33) Indeno(1,2,3-cd)pyrene     | 26.24 | 276 | 21471 | 0.346  | ng | 96    |
| 35) Benzo(b)fluoranthene       | 22.95 | 252 | 23247 | 0.370  | ng | 99    |
| 36) Benzo(k)fluoranthene       | 23.00 | 252 | 33819 | 0.371  | ng | 97    |
| 37) Benzo(a)pyrene             | 23.59 | 252 | 22408 | 0.369  | ng | 98    |
| 38) Dibenzo(a,h)anthracene     | 26.28 | 278 | 15441 | 0.276  | ng | 97    |
| 39) Benzo(g,h,i)perylene       | 27.02 | 276 | 19297 | 0.281  | ng | 99    |

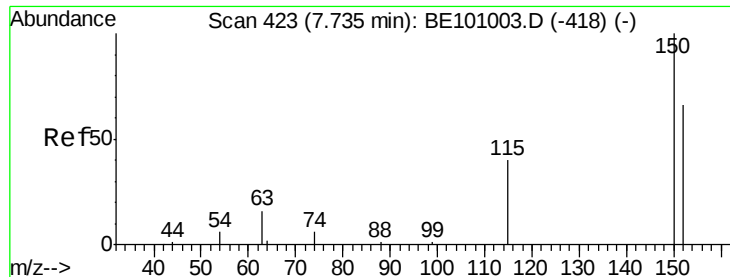
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.72 min Scan# 422

Delta R.T. -0.01 min

Lab File: BE101097.D

Acq: 20 Jan 2020 11:33

Instrument :

BNA\_E

ClientSampleId :

PB126102BS

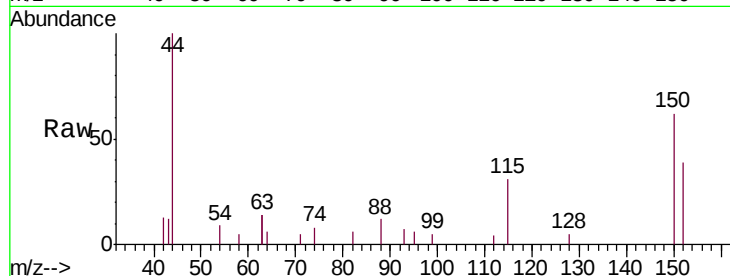
Tgt Ion:152 Resp: 1292

Ion Ratio Lower Upper

152 100

150 157.2 120.3 180.5

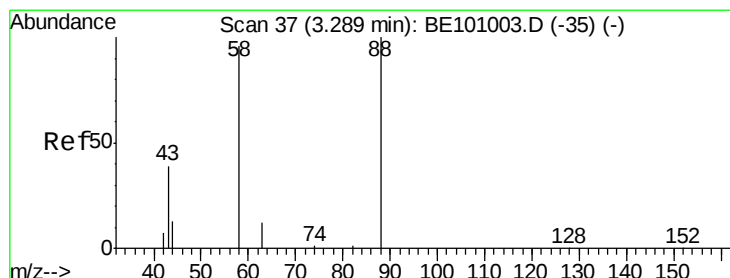
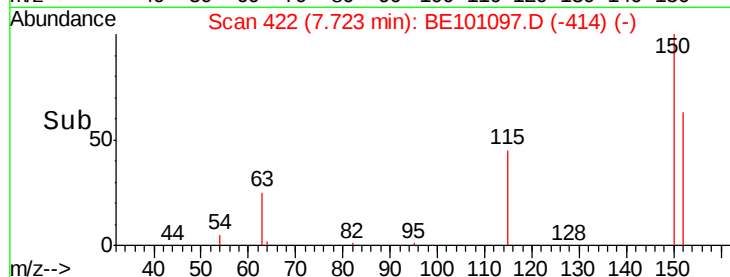
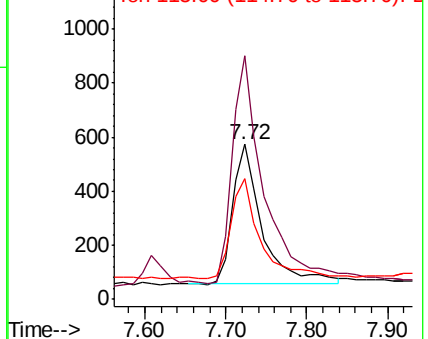
115 77.7 51.7 77.5#



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: 0.301 ng

RT: 3.29 min Scan# 37

Delta R.T. 0.00 min

Lab File: BE101097.D

Acq: 20 Jan 2020 11:33

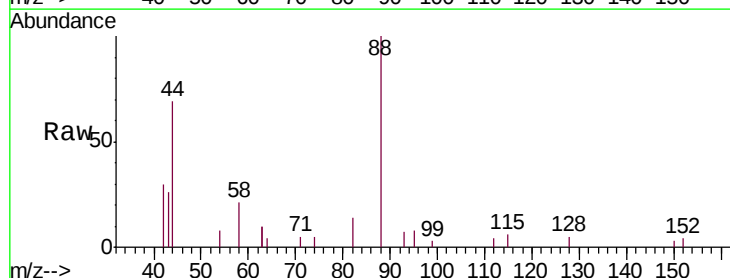
Tgt Ion: 88 Resp: 1033

Ion Ratio Lower Upper

88 100

58 78.0 53.0 79.4

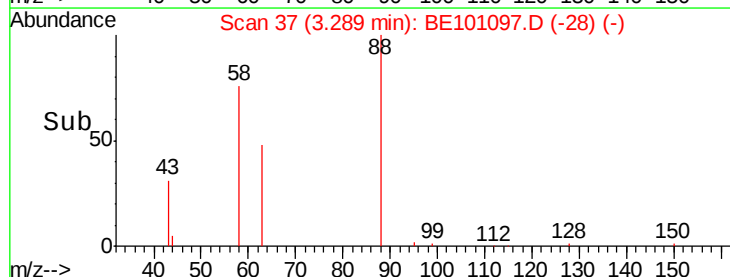
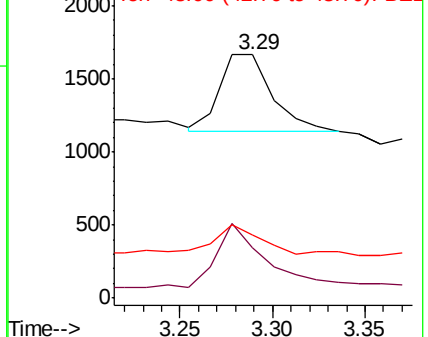
43 33.8 23.4 35.2

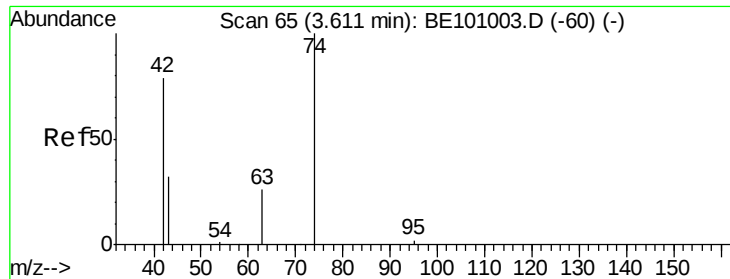


Abundance Ion 88.00 (87.70 to 88.70): BE1

Ion 58.00 (57.70 to 58.70): BE1

Ion 43.00 (42.70 to 43.70): BE1





#3

n-Nitrosodimethylamine

Concen: 0.350 ng

RT: 3.61 min Scan# 65

Delta R.T. 0.00 min

Lab File: BE101097.D

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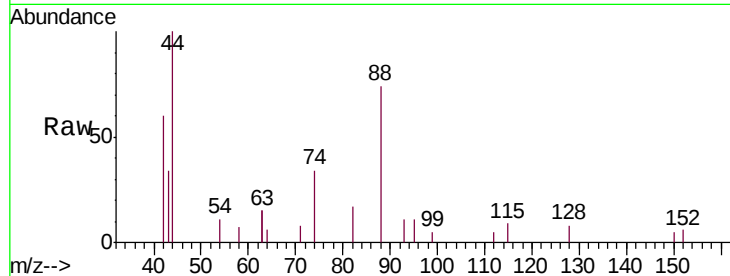
Tgt Ion: 42 Resp: 628

Ion Ratio Lower Upper

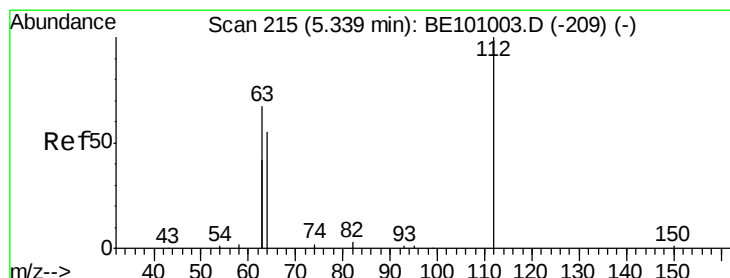
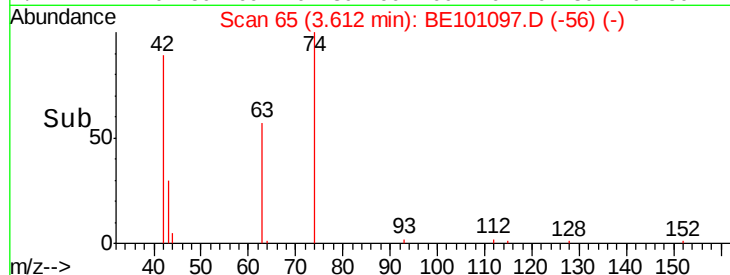
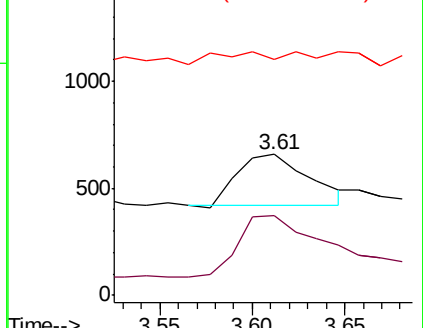
42 100

74 147.6 105.7 158.5

44 17.5 10.0 15.0#



Abundance Ion 42.00 (41.70 to 42.70): BE1  
Ion 74.00 (73.70 to 74.70): BE1  
Ion 44.00 (43.70 to 44.70): BE1



#4

2-Fluorophenol

Concen: 0.472 ng

RT: 5.33 min Scan# 214

Delta R.T. -0.01 min

Lab File: BE101097.D

Acq: 20 Jan 2020 11:33

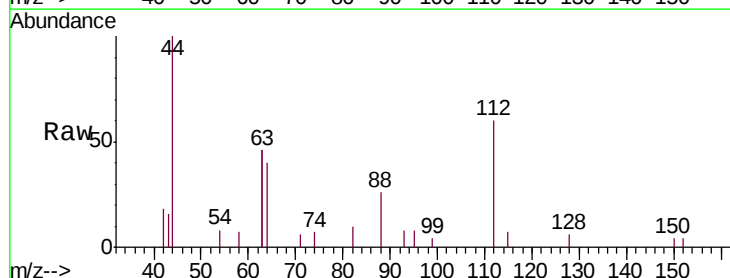
Tgt Ion: 112 Resp: 1372

Ion Ratio Lower Upper

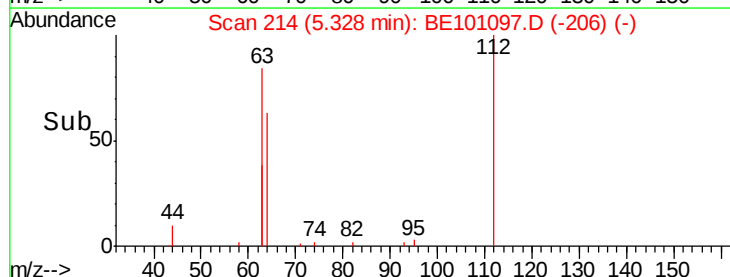
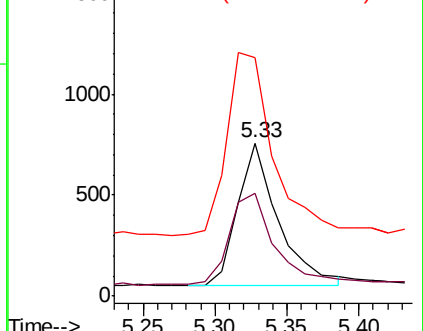
112 100

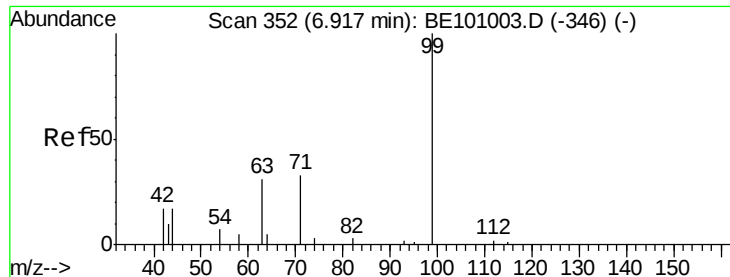
64 72.4 53.6 80.4

63 148.7 114.6 172.0



Abundance Ion 112.00 (111.70 to 112.70): BE1  
Ion 64.00 (63.70 to 64.70): BE1  
Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.381 ng

RT: 6.91 min Scan# 351

Delta R.T. -0.01 min

Lab File: BE101097.D

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ClientSampleId :

PB126102BS

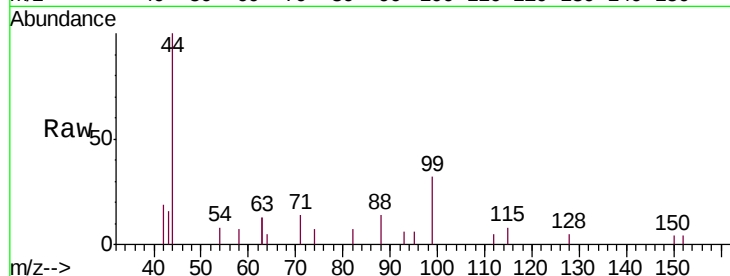
Tgt Ion: 99 Resp: 1402

Ion Ratio Lower Upper

99 100

42 20.8 18.3 27.5

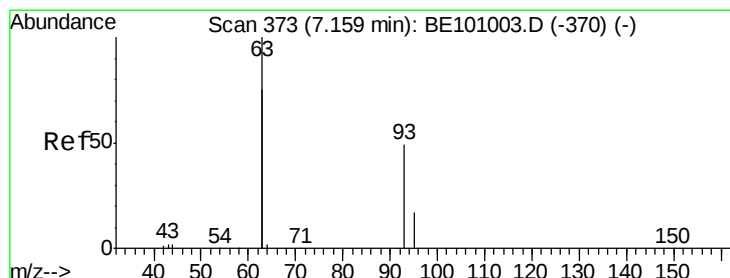
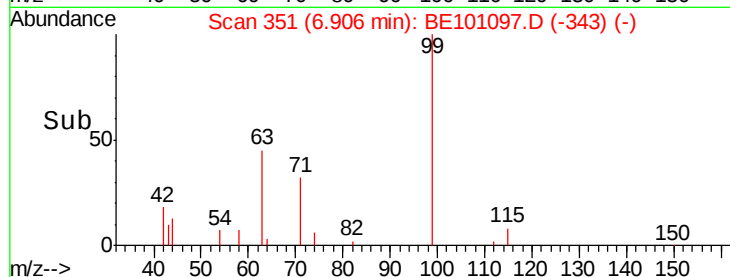
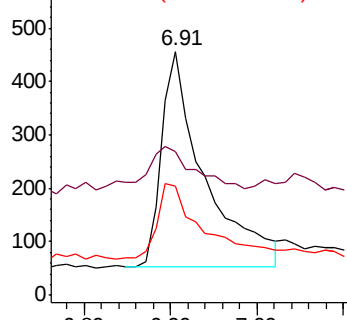
71 36.7 28.0 42.0



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: 0.396 ng

RT: 7.15 min Scan# 372

Delta R.T. -0.01 min

Lab File: BE101097.D

Acq: 20 Jan 2020 11:33

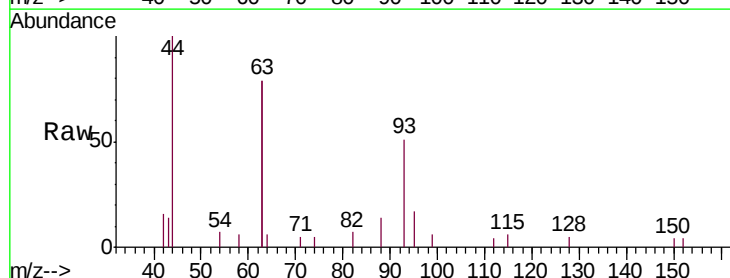
Tgt Ion: 93 Resp: 1733

Ion Ratio Lower Upper

93 100

63 278.1 233.9 350.9

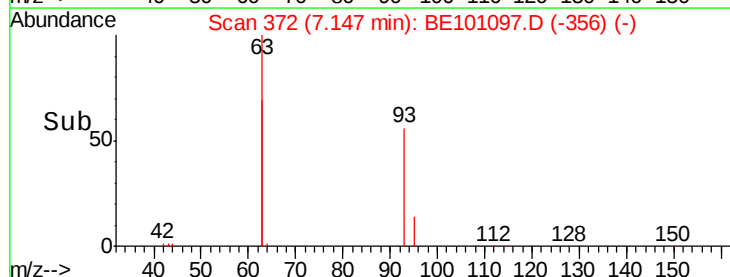
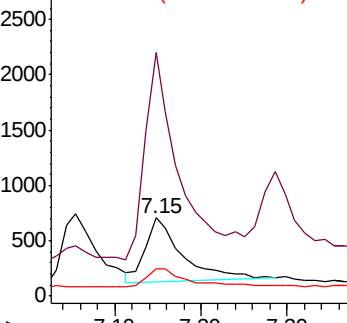
95 36.7 23.5 35.3#

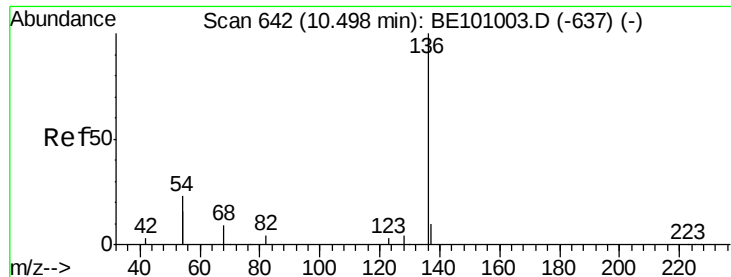


Abundance Ion 93.00 (92.70 to 93.70): BE1

Ion 63.00 (62.70 to 63.70): BE1

Ion 95.00 (94.70 to 95.70): BE1

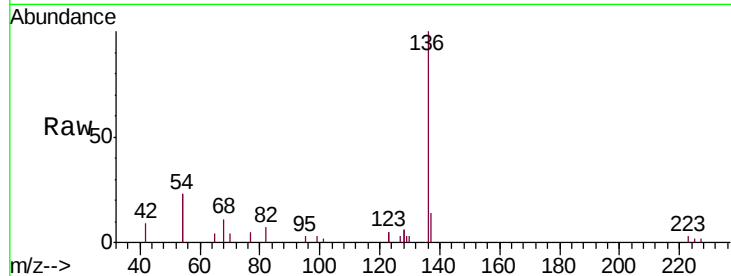




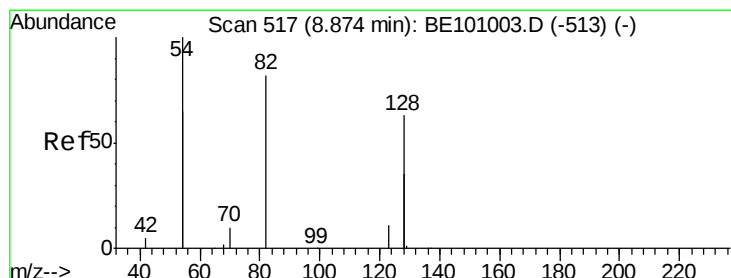
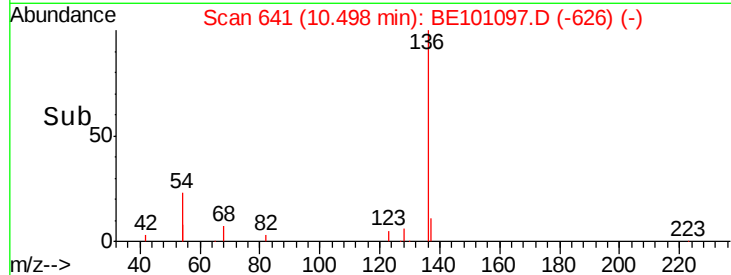
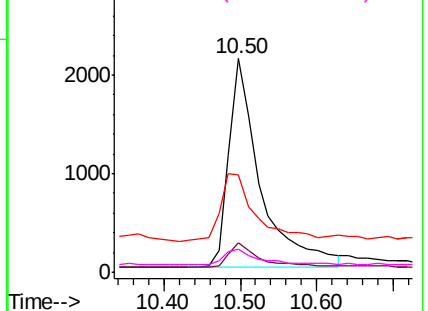
#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.50 min Scan# 641  
Delta R.T. -0.00 min  
Lab File: BE101097.D  
Acq: 20 Jan 2020 11:33

Instrument :  
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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 6092  |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 13.6  | 9.3   | 13.9  |
| 54       | 45.3  | 36.8  | 55.2  |
| 68       | 10.6  | 8.4   | 12.6  |

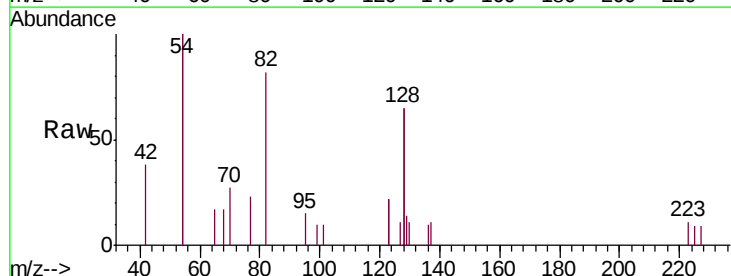


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BE1  
Ion 68.00 (67.70 to 68.70): BE1

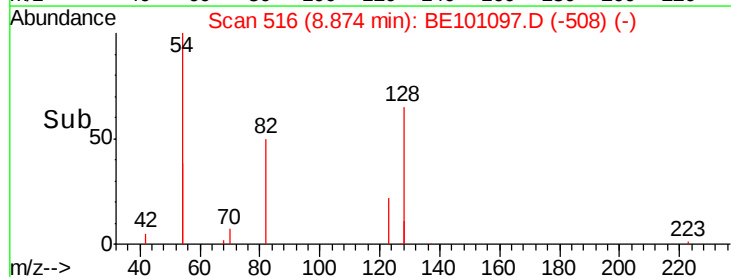
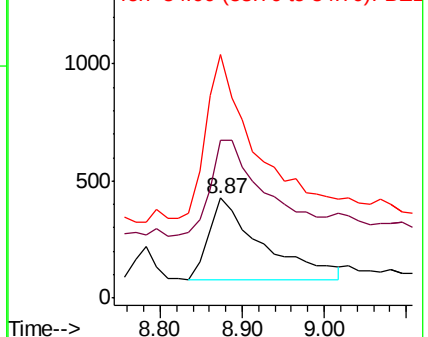


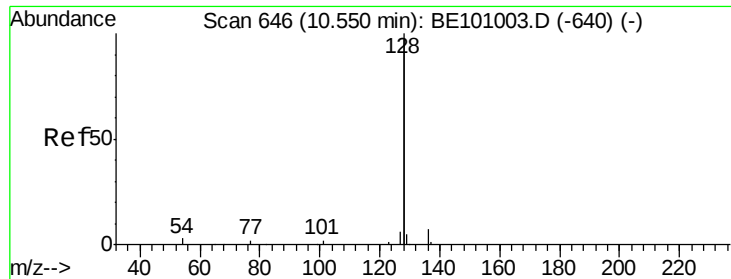
#8  
Nitrobenzene-d5  
Concen: 0.357 ng  
RT: 8.87 min Scan# 516  
Delta R.T. -0.00 min  
Lab File: BE101097.D  
Acq: 20 Jan 2020 11:33

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 1557  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 158.7 | 109.8 | 164.6 |
| 54       | 244.1 | 174.5 | 261.7 |



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: 0.381 ng

RT: 10.55 min Scan# 645

Delta R.T. -0.00 min

Lab File: BE101097.D

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Instrument :

BNA\_E

ClientSampleId :

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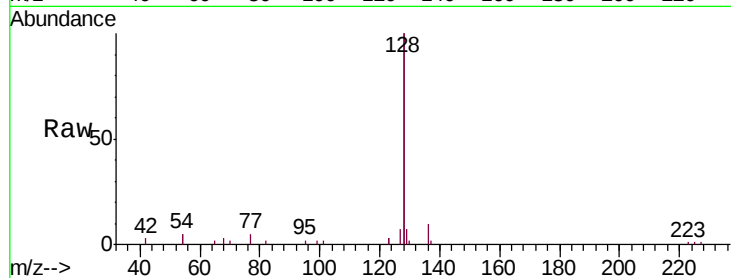
Tgt Ion:128 Resp: 25765

Ion Ratio Lower Upper

128 100

129 3.4 2.3 3.5

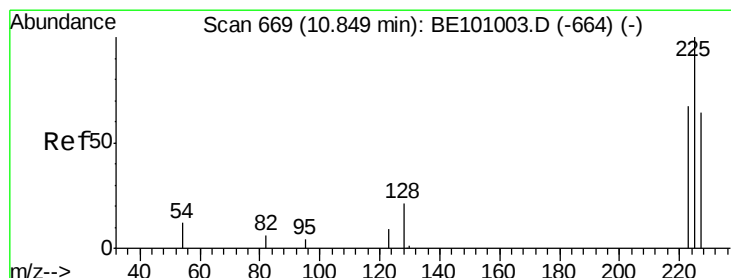
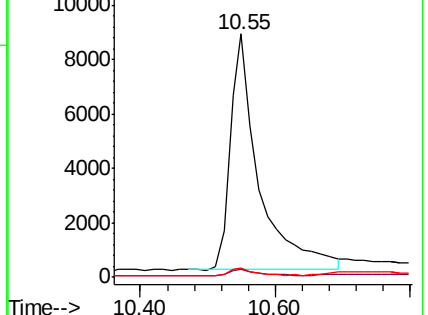
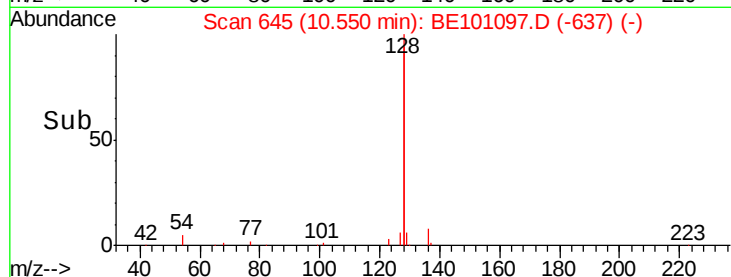
127 3.7 2.7 4.1



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: 0.408 ng

RT: 10.84 min Scan# 667

Delta R.T. -0.01 min

Lab File: BE101097.D

Acq: 20 Jan 2020 11:33

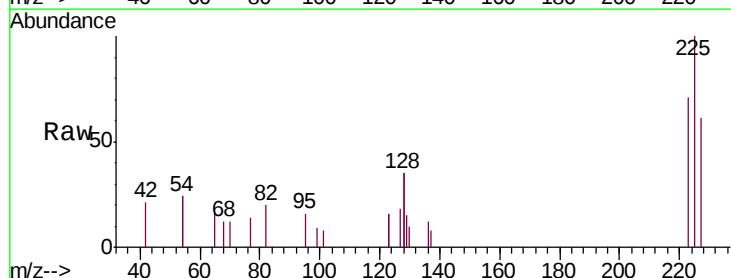
Tgt Ion:225 Resp: 1168

Ion Ratio Lower Upper

225 100

223 65.8 52.2 78.4

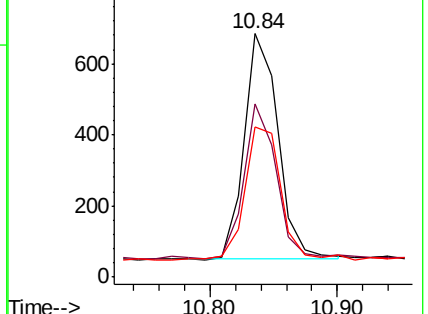
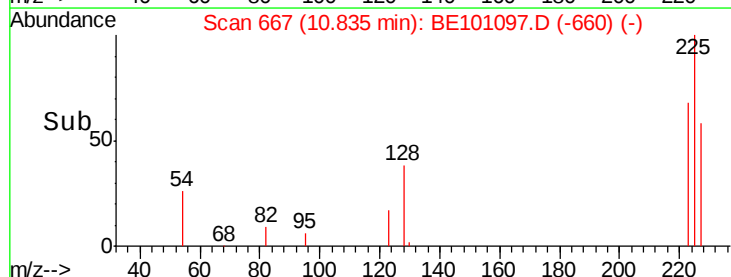
227 62.1 49.9 74.9

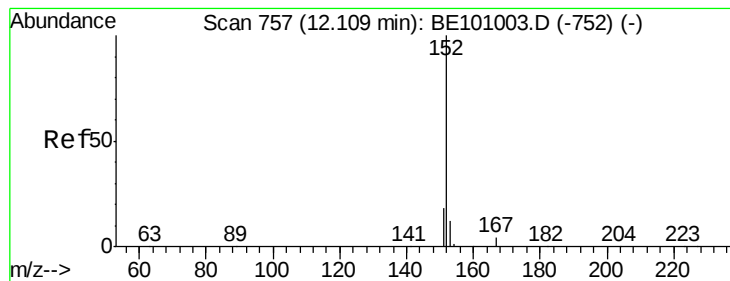


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.398 ng

RT: 12.11 min Scan# 756

Delta R.T. 0.00 min

Lab File: BE101097.D

Acq: 20 Jan 2020 11:33

Instrument :

BNA\_E

ClientSampleId :

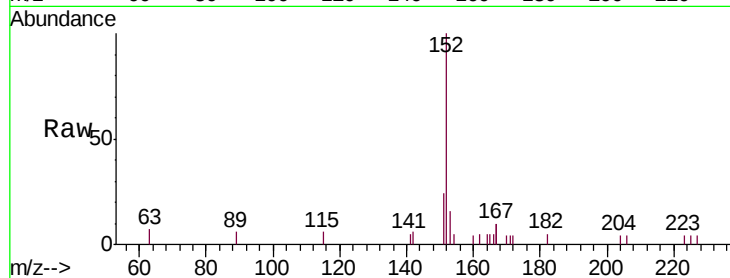
PB126102BS

Tgt Ion:152 Resp: 4627

Ion Ratio Lower Upper

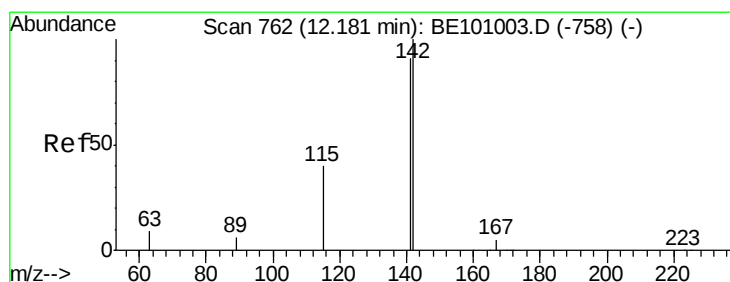
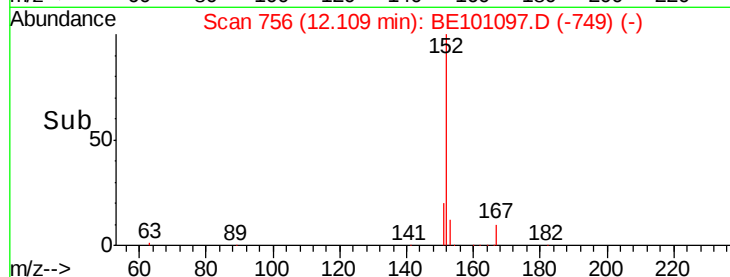
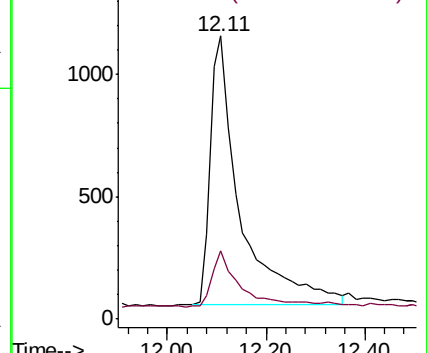
152 100

151 20.5 15.0 22.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.379 ng

RT: 12.18 min Scan# 761

Delta R.T. 0.00 min

Lab File: BE101097.D

Acq: 20 Jan 2020 11:33

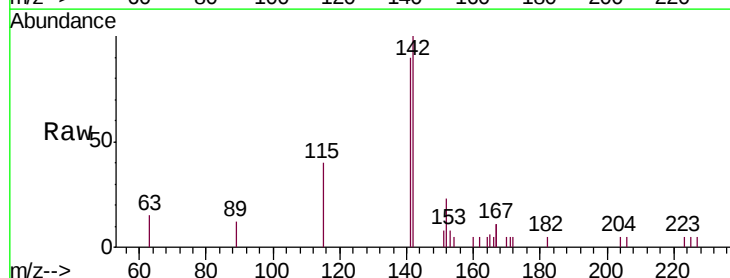
Tgt Ion:142 Resp: 3874

Ion Ratio Lower Upper

142 100

141 90.3 72.5 108.7

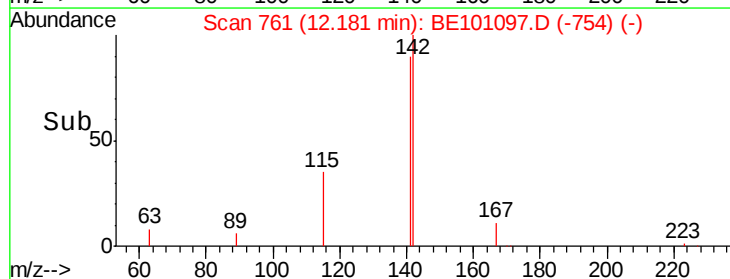
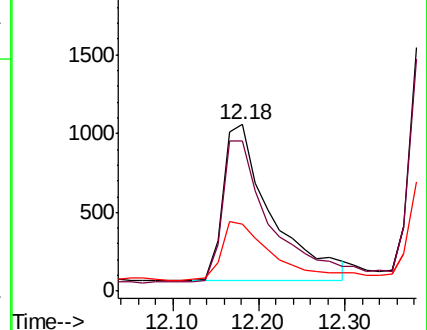
115 40.1 33.0 49.6

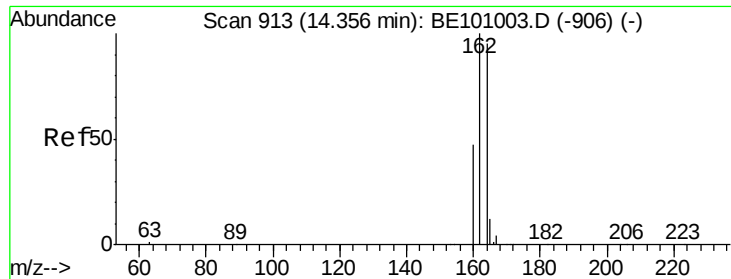


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

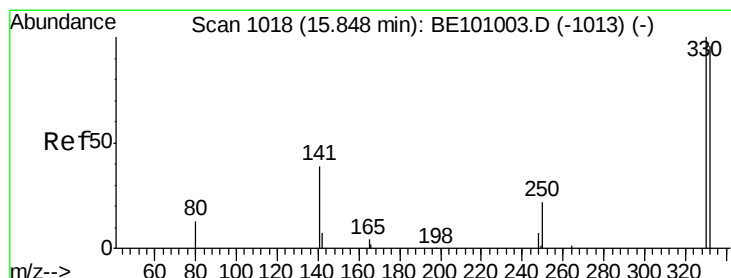
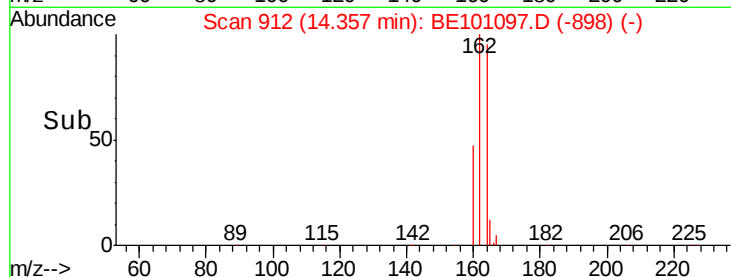
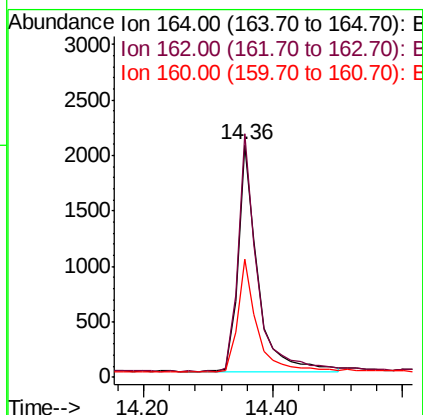
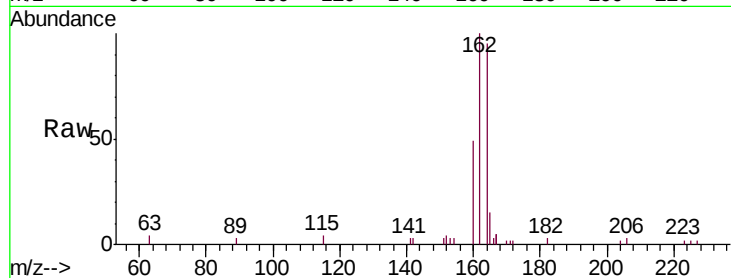




#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.36 min Scan# 912  
 Delta R.T. 0.00 min  
 Lab File: BE101097.D  
 Acq: 20 Jan 2020 11:33

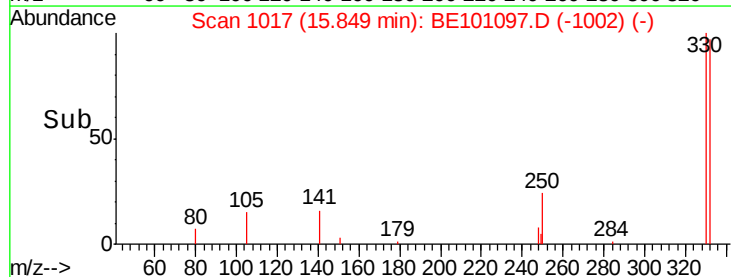
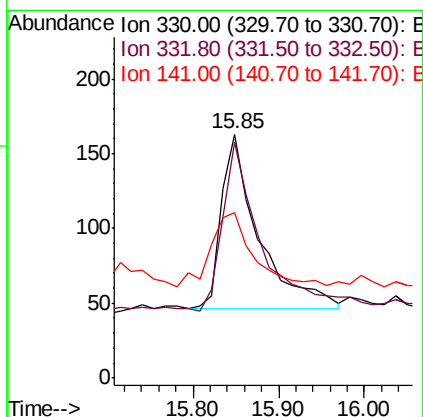
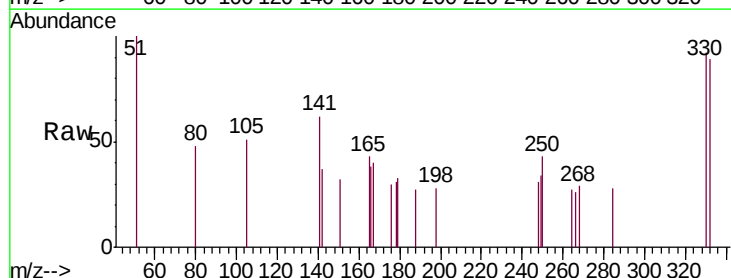
Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB126102BS

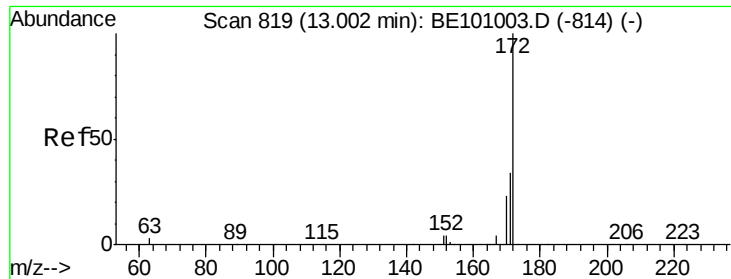
Tgt Ion:164 Resp: 4301  
 Ion Ratio Lower Upper  
 164 100  
 162 104.9 84.1 126.1  
 160 51.1 40.4 60.6



#14  
 2,4,6-Tribromophenol  
 Concen: 0.292 ng  
 RT: 15.85 min Scan# 1017  
 Delta R.T. 0.00 min  
 Lab File: BE101097.D  
 Acq: 20 Jan 2020 11:33

Tgt Ion:330 Resp: 354  
 Ion Ratio Lower Upper  
 330 100  
 332 98.6 78.4 117.6  
 141 47.7 37.0 55.4

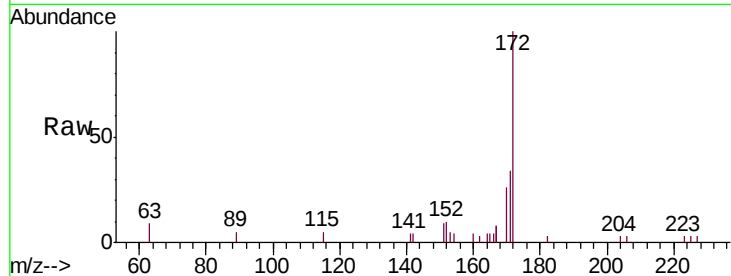




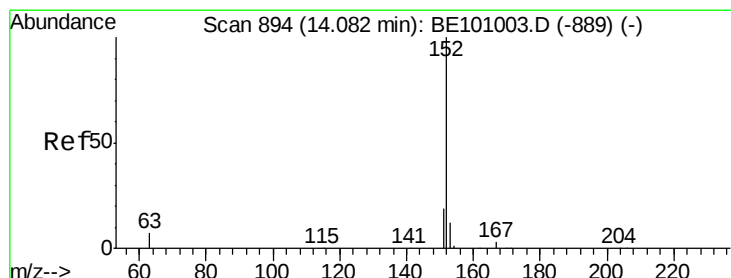
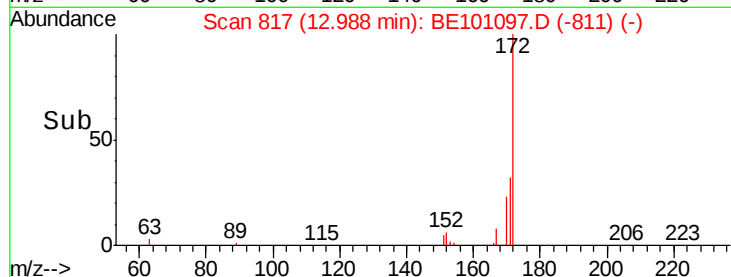
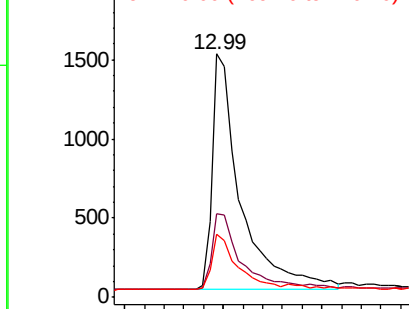
#15  
2-Fluorobiphenyl  
Concen: 0.359 ng  
RT: 12.99 min Scan# 817  
Delta R.T. -0.01 min  
Lab File: BE101097.D  
Acq: 20 Jan 2020 11:33

Instrument :  
BNA\_E  
ClientSampleId :  
PB126102BS

Tgt Ion:172 Resp: 5872  
Ion Ratio Lower Upper  
172 100  
171 34.4 28.2 42.2  
170 25.8 18.9 28.3

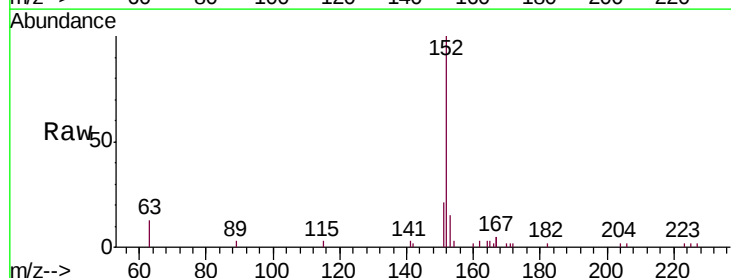


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

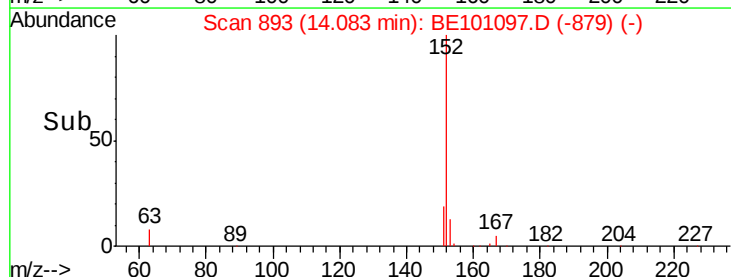
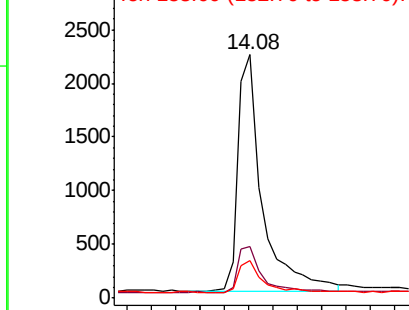


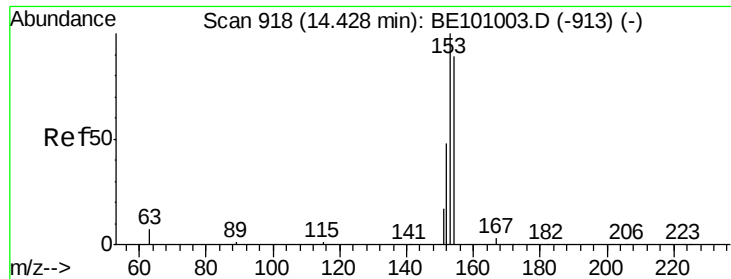
#16  
Acenaphthylene  
Concen: 0.351 ng  
RT: 14.08 min Scan# 893  
Delta R.T. 0.00 min  
Lab File: BE101097.D  
Acq: 20 Jan 2020 11:33

Tgt Ion:152 Resp: 6148  
Ion Ratio Lower Upper  
152 100  
151 19.7 15.5 23.3  
153 13.5 10.4 15.6



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

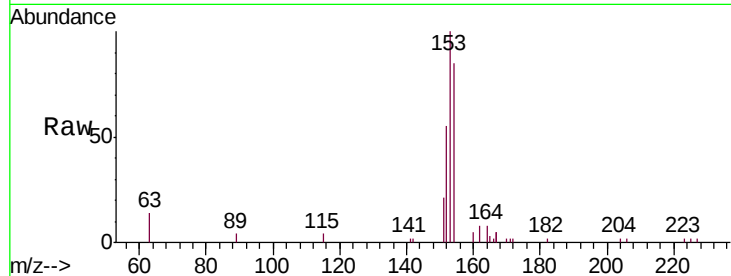




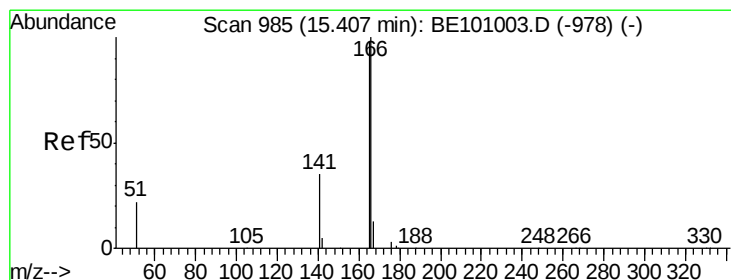
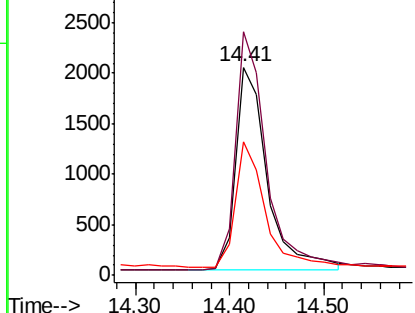
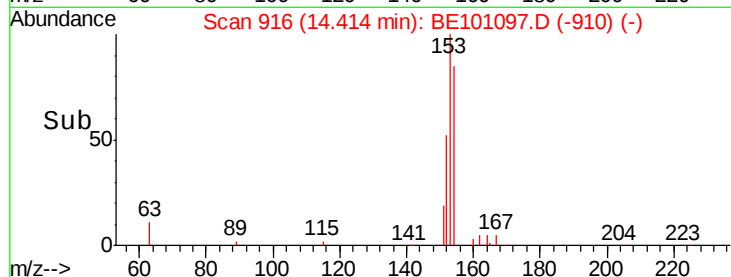
#17  
Acenaphthene  
Concen: 0.373 ng  
RT: 14.41 min Scan# 916  
Delta R.T. -0.01 min  
Lab File: BE101097.D  
Acq: 20 Jan 2020 11:33

Instrument :  
BNA\_E  
ClientSampleId :  
PB126102BS

Tgt Ion:154 Resp: 4673  
Ion Ratio Lower Upper  
154 100  
153 115.0 93.6 140.4  
152 57.4 46.3 69.5

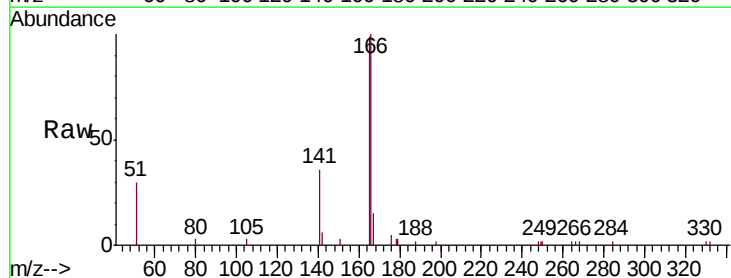


Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E

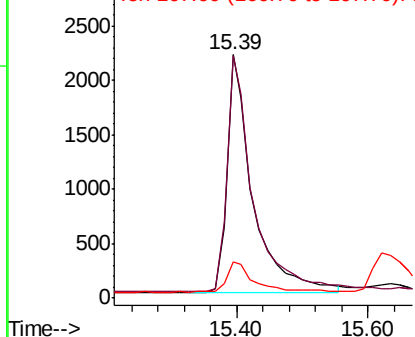
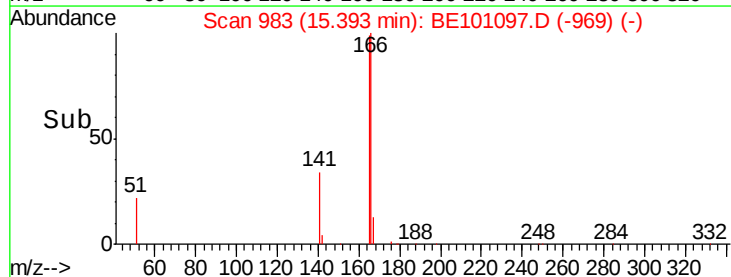


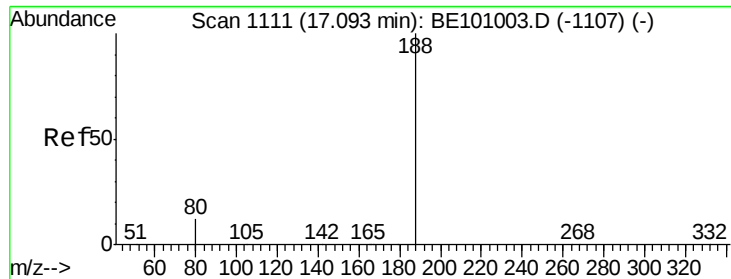
#18  
Fluorene  
Concen: 0.377 ng  
RT: 15.39 min Scan# 983  
Delta R.T. -0.01 min  
Lab File: BE101097.D  
Acq: 20 Jan 2020 11:33

Tgt Ion:166 Resp: 5981  
Ion Ratio Lower Upper  
166 100  
165 101.8 79.8 119.8  
167 13.5 11.0 16.6



Abundance Ion 166.00 (165.70 to 166.70): E  
Ion 165.00 (164.70 to 165.70): E  
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.09 min Scan# 1110

Delta R.T. 0.00 min

Lab File: BE101097.D

Acq: 20 Jan 2020 11:33

Instrument :

BNA\_E

ClientSampleId :

PB126102BS

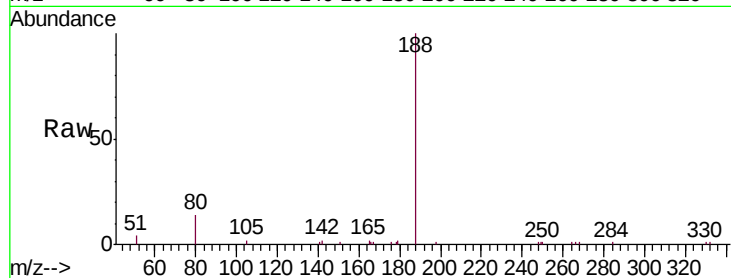
Tgt Ion:188 Resp: 11147

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

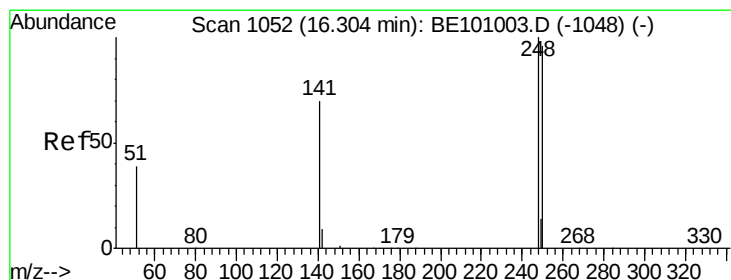
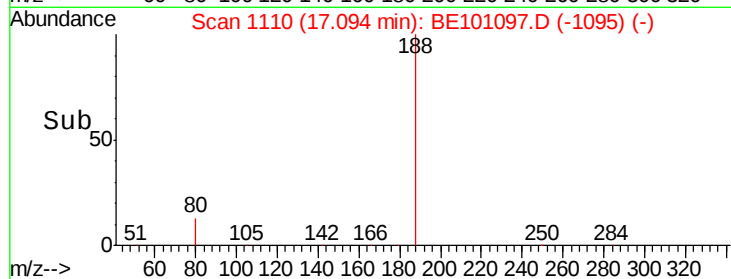
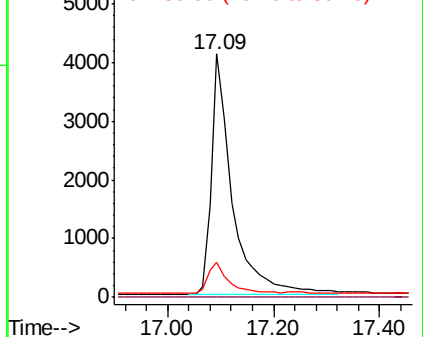
80 14.2 10.8 16.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE1

Ion 80.00 (79.70 to 80.70): BE1



#20

4-Bromophenyl-phenylether

Concen: 0.392 ng

RT: 16.30 min Scan# 1051

Delta R.T. 0.00 min

Lab File: BE101097.D

Acq: 20 Jan 2020 11:33

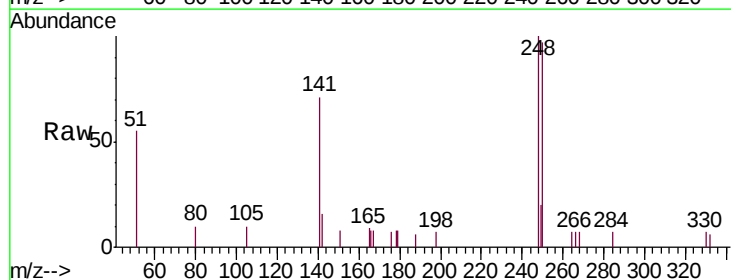
Tgt Ion:248 Resp: 2132

Ion Ratio Lower Upper

248 100

250 96.9 76.6 115.0

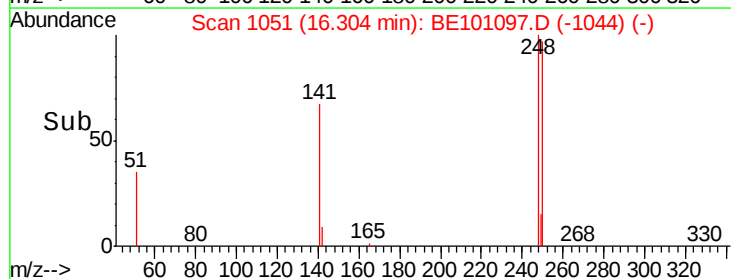
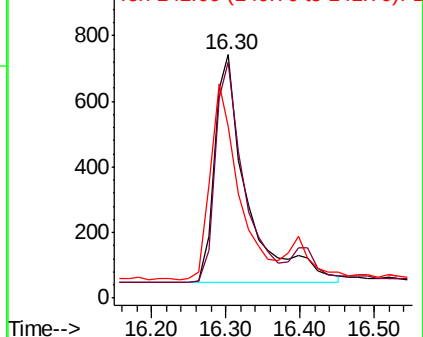
141 70.6 57.7 86.5

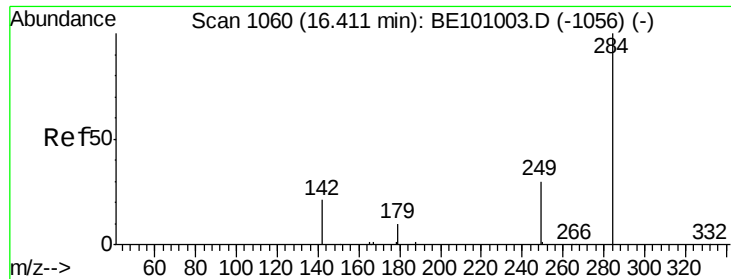


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

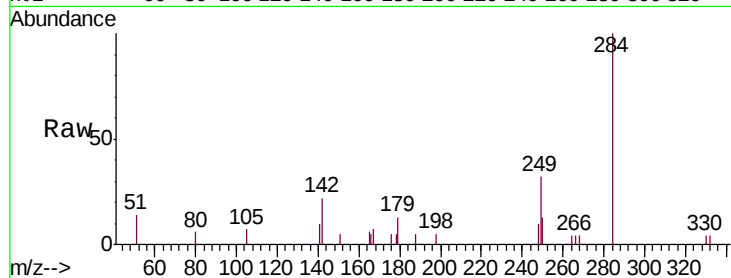




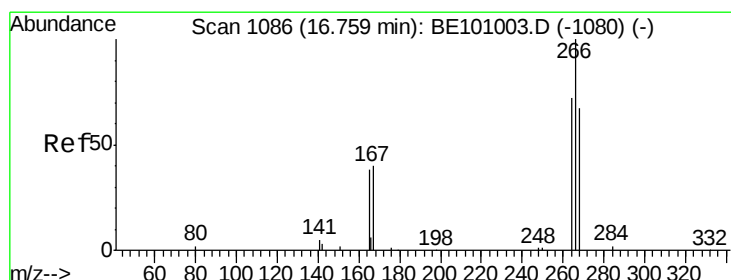
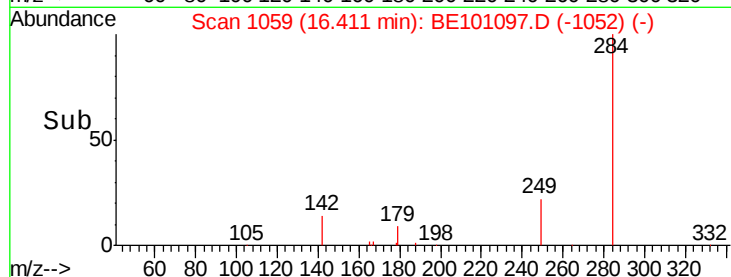
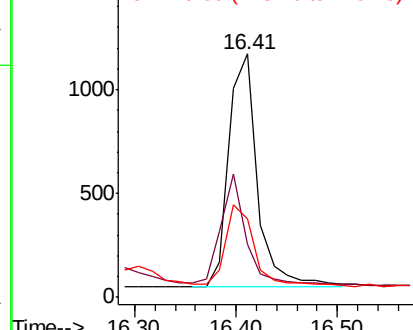
#21  
Hexachlorobenzene  
Concen: 0.369 ng  
RT: 16.41 min Scan# 1059  
Delta R.T. 0.00 min  
Lab File: BE101097.D  
Acq: 20 Jan 2020 11:33

Instrument :  
BNA\_E  
ClientSampleId :  
PB126102BS

Tgt Ion: 284 Resp: 2201  
Ion Ratio Lower Upper  
284 100  
142 40.7 34.0 51.0  
249 32.9 28.2 42.4

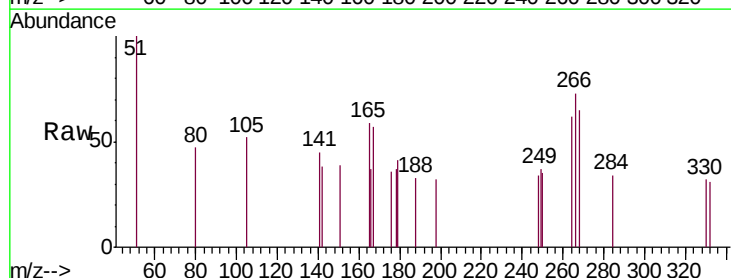


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

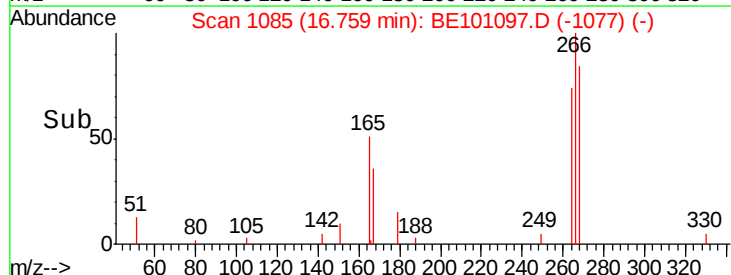
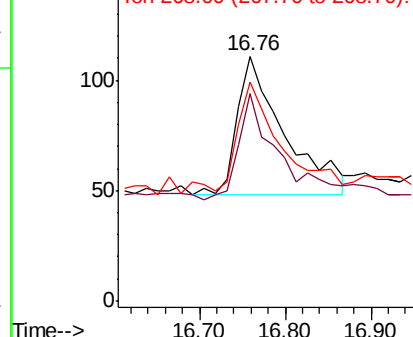


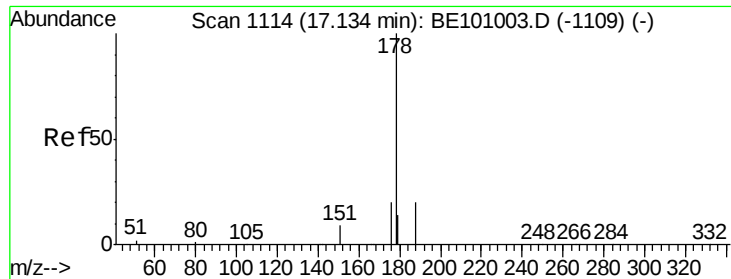
#22  
Pentachlorophenol  
Concen: 0.365 ng  
RT: 16.76 min Scan# 1085  
Delta R.T. 0.00 min  
Lab File: BE101097.D  
Acq: 20 Jan 2020 11:33

Tgt Ion: 266 Resp: 240  
Ion Ratio Lower Upper  
266 100  
264 84.7 61.0 91.4  
268 89.2 58.5 87.7#



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: 0.369 ng

RT: 17.13 min Scan# 1113

Delta R.T. 0.00 min

Lab File: BE101097.D

Acq: 20 Jan 2020 11:33

Instrument :

BNA\_E

ClientSampleId :

PB126102BS

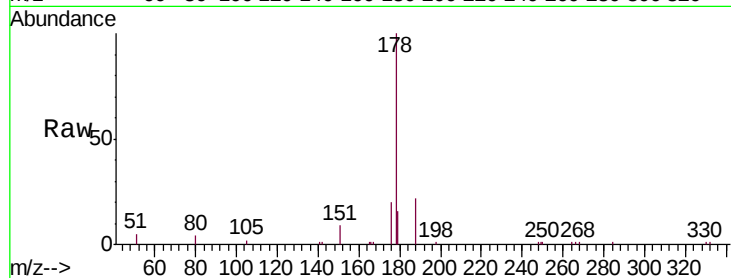
Tgt Ion:178 Resp: 11219

Ion Ratio Lower Upper

178 100

176 19.3 15.7 23.5

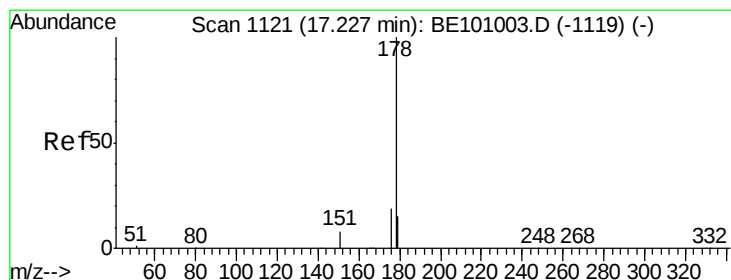
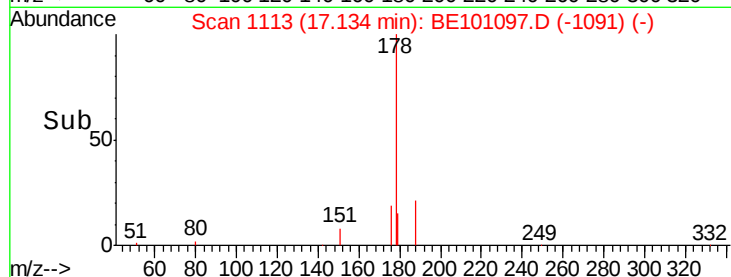
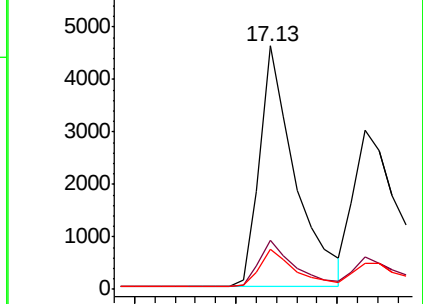
179 15.6 12.0 18.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.363 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE101097.D

Acq: 20 Jan 2020 11:33

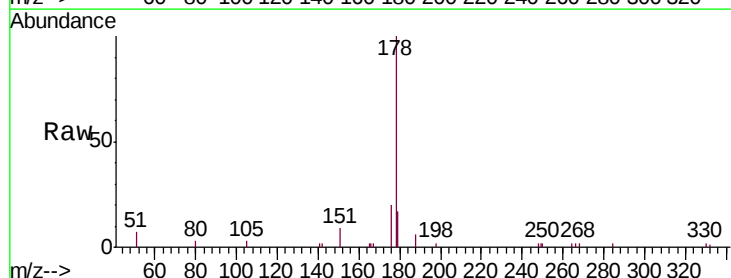
Tgt Ion:178 Resp: 10412

Ion Ratio Lower Upper

178 100

176 16.6 14.8 22.2

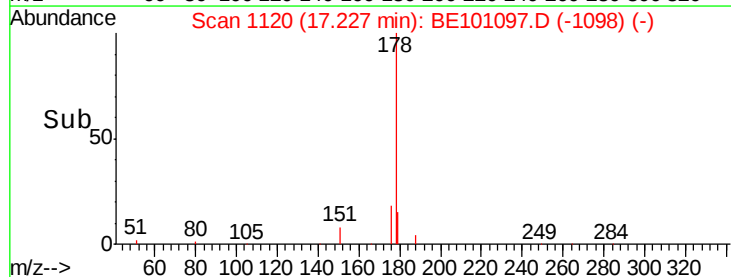
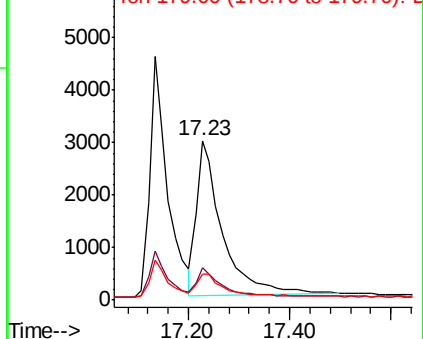
179 16.0 12.4 18.6

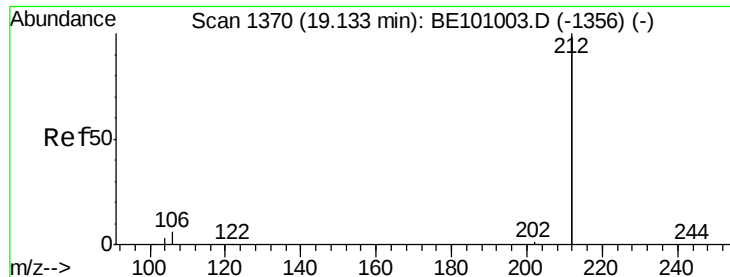


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

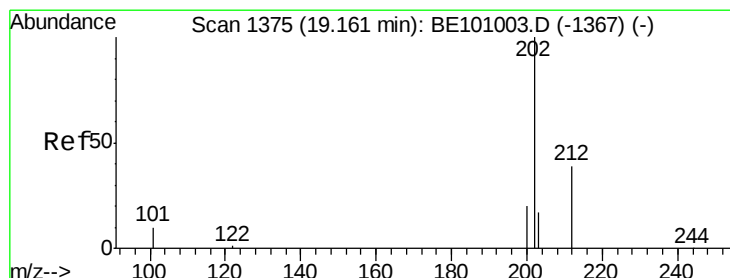
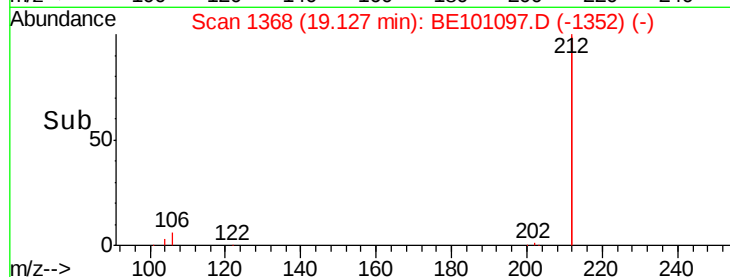
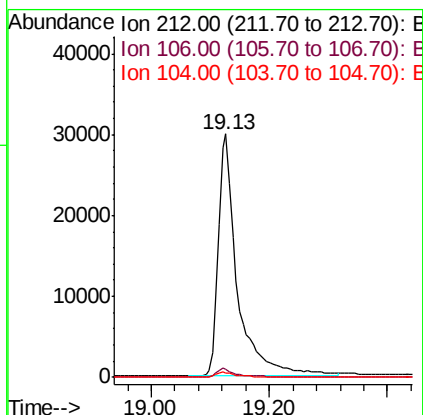
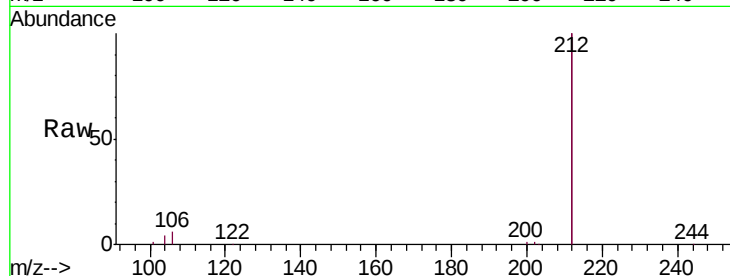




#25  
 Fluoranthene-d10  
 Concen: 0.431 ng  
 RT: 19.13 min Scan# 1368  
 Delta R.T. -0.01 min  
 Lab File: BE101097.D  
 Acq: 20 Jan 2020 11:33

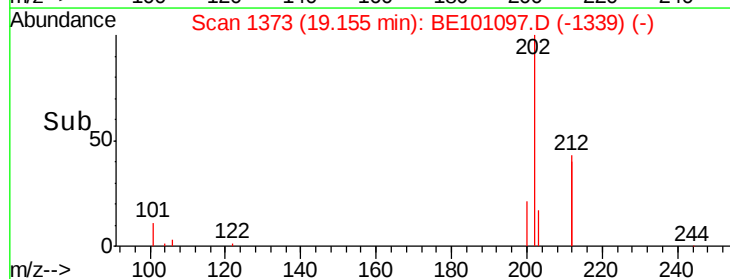
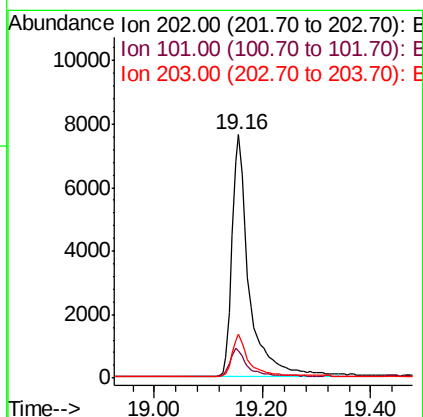
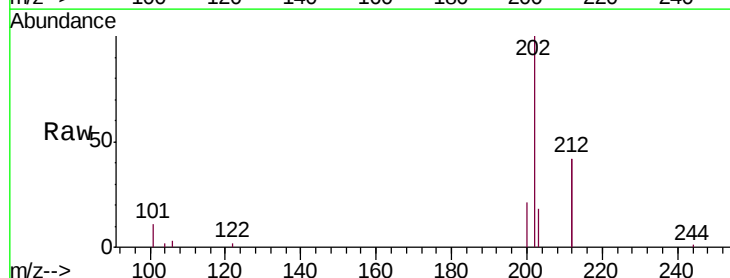
Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB126102BS

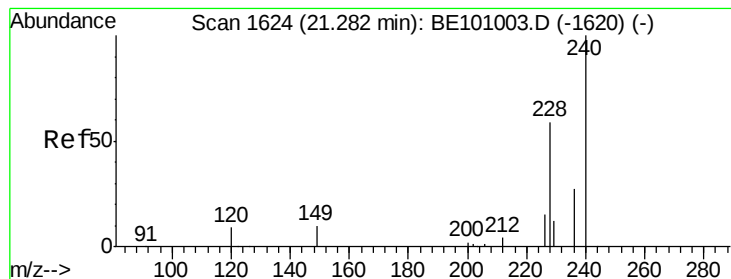
Tgt Ion: 212 Resp: 66770  
 Ion Ratio Lower Upper  
 212 100  
 106 3.4 2.6 3.8  
 104 1.9 1.4 2.0



#26  
 Fluoranthene  
 Concen: 0.438 ng  
 RT: 19.16 min Scan# 1373  
 Delta R.T. -0.01 min  
 Lab File: BE101097.D  
 Acq: 20 Jan 2020 11:33

Tgt Ion: 202 Resp: 16679  
 Ion Ratio Lower Upper  
 202 100  
 101 11.6 9.6 14.4  
 203 16.3 13.8 20.6





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.27 min Scan# 1622

Delta R.T. -0.01 min

Lab File: BE101097.D

Acq: 20 Jan 2020 11:33

Instrument :

BNA\_E

ClientSampleId :

PB126102BS

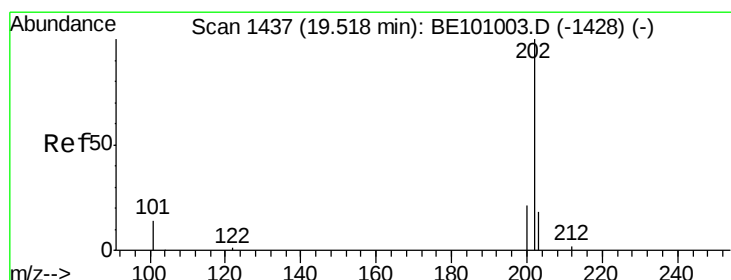
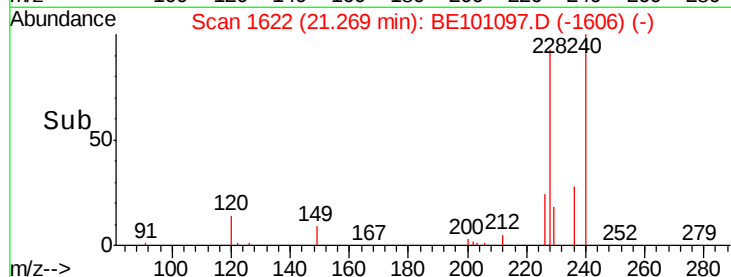
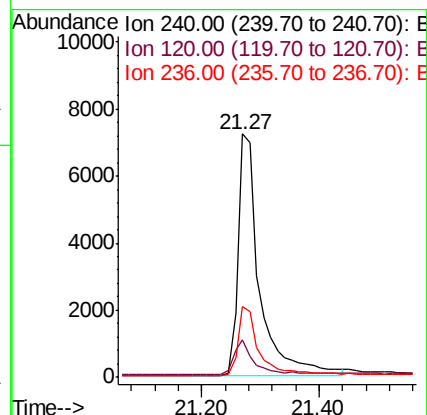
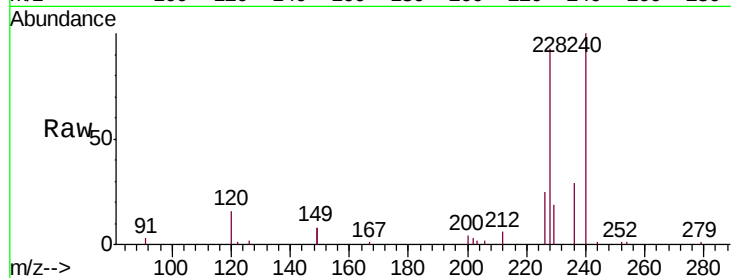
Tgt Ion:240 Resp: 18540

Ion Ratio Lower Upper

240 100

120 15.6 8.6 13.0#

236 28.8 22.2 33.4



#28

Pyrene

Concen: 0.250 ng

RT: 19.52 min Scan# 1436

Delta R.T. -0.00 min

Lab File: BE101097.D

Acq: 20 Jan 2020 11:33

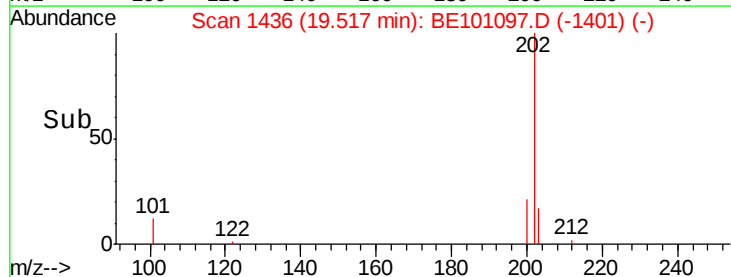
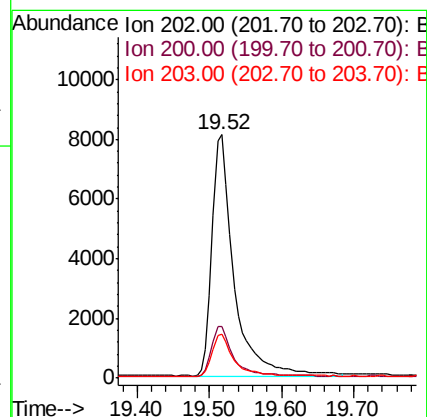
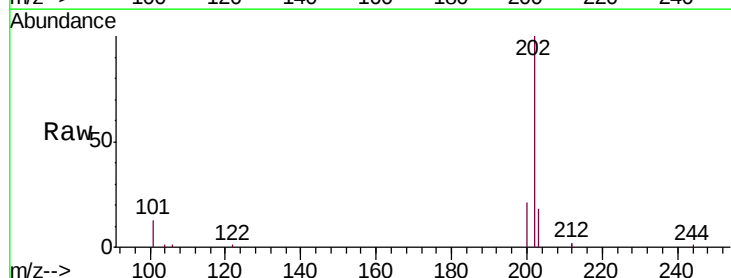
Tgt Ion:202 Resp: 17222

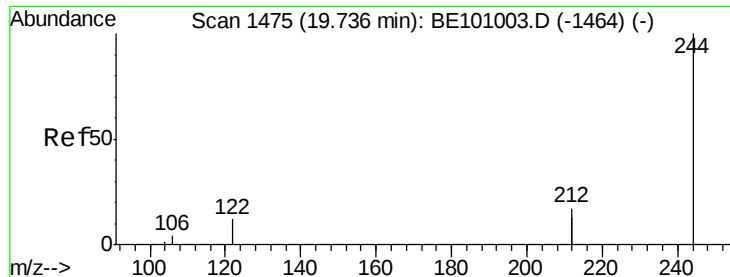
Ion Ratio Lower Upper

202 100

200 21.0 17.0 25.4

203 17.7 13.8 20.6





#29

Terphenyl-d14

Concen: 0.280 ng

RT: 19.73 min Scan# 1473

Delta R.T. -0.01 min

Lab File: BE101097.D

Acq: 20 Jan 2020 11:33

Instrument :

BNA\_E

ClientSampleId :

PB126102BS

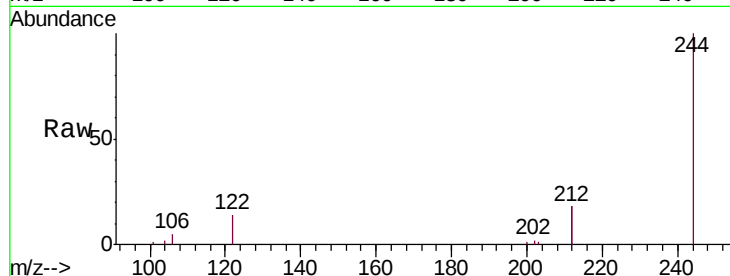
Tgt Ion:244 Resp: 12742

Ion Ratio Lower Upper

244 100

212 35.2 27.2 40.8

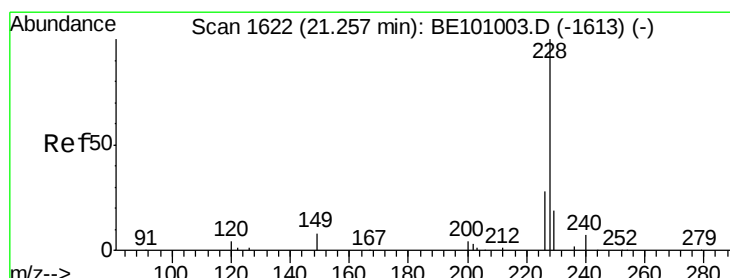
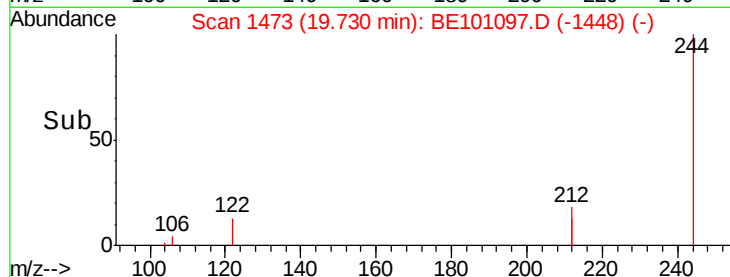
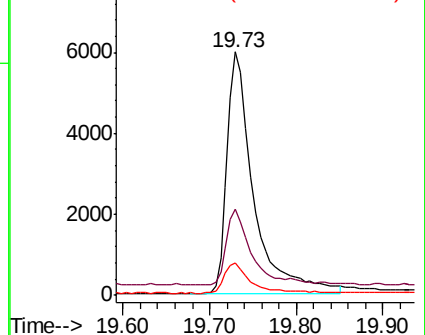
122 13.5 9.8 14.8



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: 0.353 ng

RT: 21.26 min Scan# 1621

Delta R.T. -0.00 min

Lab File: BE101097.D

Acq: 20 Jan 2020 11:33

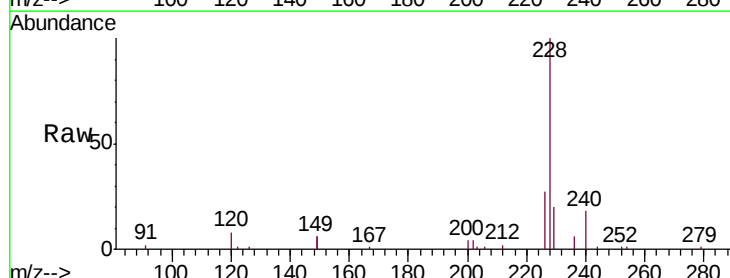
Tgt Ion:228 Resp: 18686

Ion Ratio Lower Upper

228 100

226 27.3 22.7 34.1

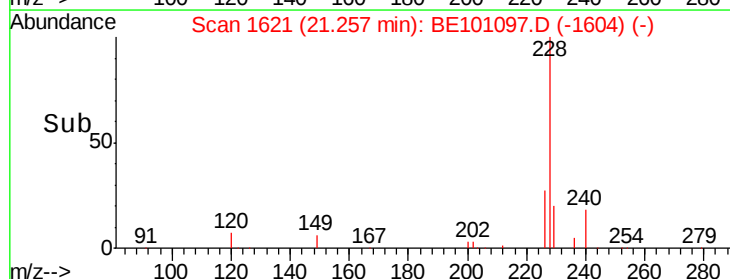
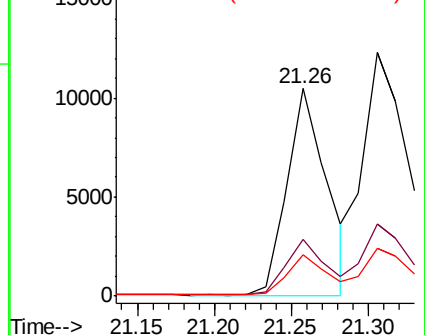
229 20.1 15.5 23.3

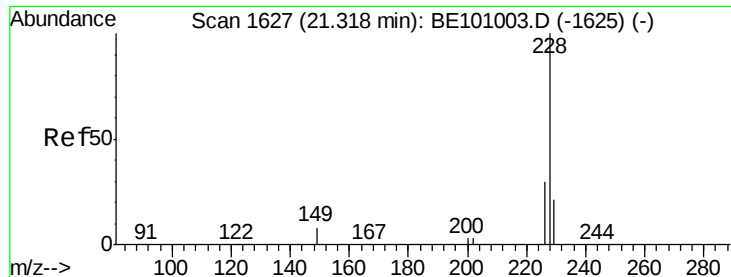


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.403 ng

RT: 21.31 min Scan# 1625

Delta R.T. -0.01 min

Lab File: BE101097.D

Acq: 20 Jan 2020 11:33

Instrument :

BNA\_E

ClientSampleId :

PB126102BS

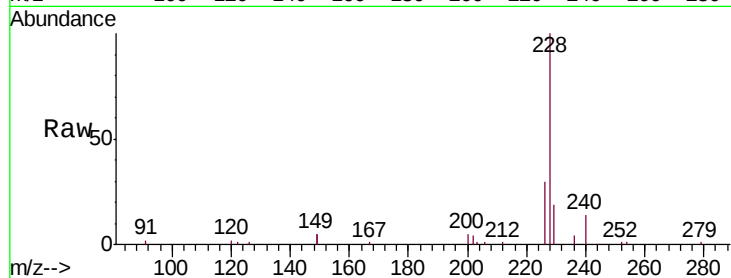
Tgt Ion:228 Resp: 31725

Ion Ratio Lower Upper

228 100

226 29.8 23.5 35.3

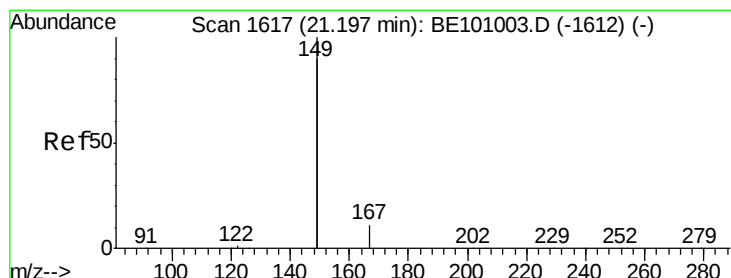
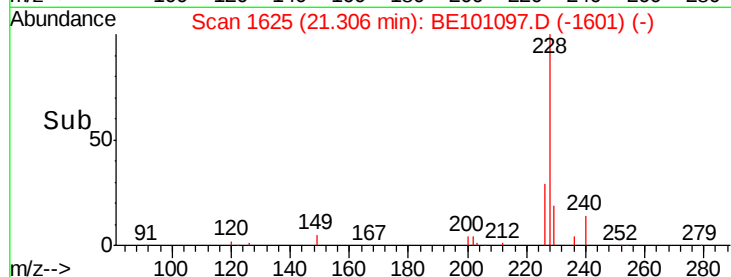
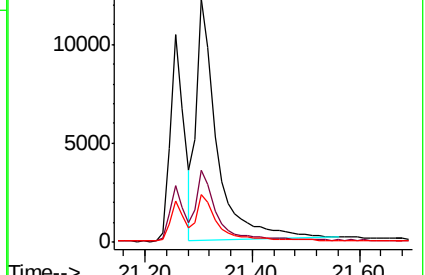
229 19.4 16.7 25.1



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: 0.412 ng

RT: 21.20 min Scan# 1616

Delta R.T. -0.00 min

Lab File: BE101097.D

Acq: 20 Jan 2020 11:33

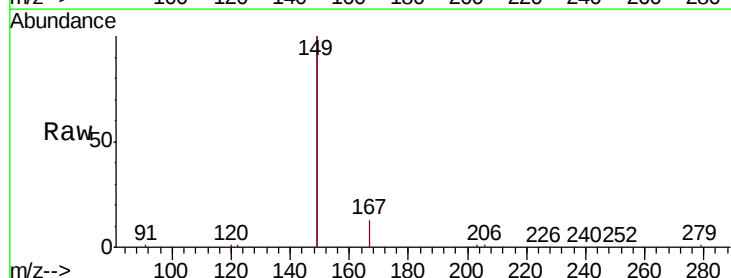
Tgt Ion:149 Resp: 36328

Ion Ratio Lower Upper

149 100

167 6.4 5.2 7.8

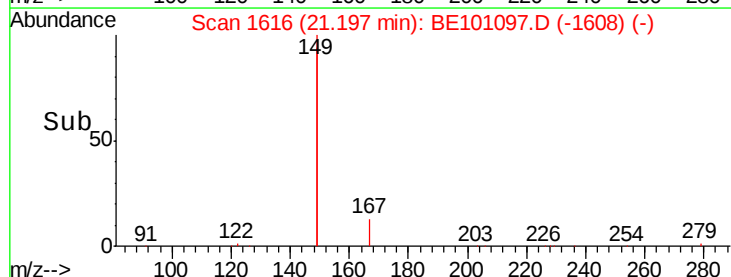
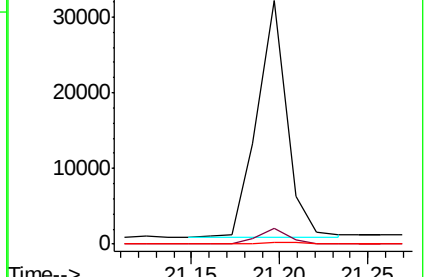
279 0.8 0.8 1.2#

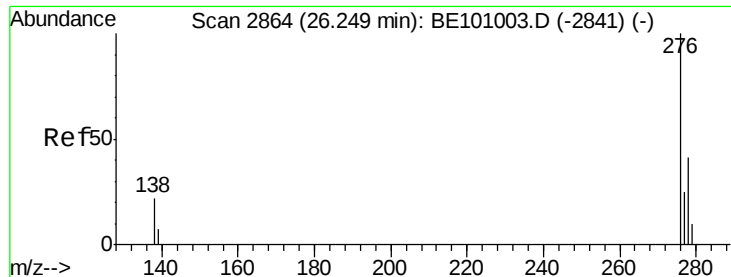


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.346 ng

RT: 26.24 min Scan# 2861

Delta R.T. -0.01 min

Lab File: BE101097.D

Acq: 20 Jan 2020 11:33

Instrument :

BNA\_E

ClientSampleId :

PB126102BS

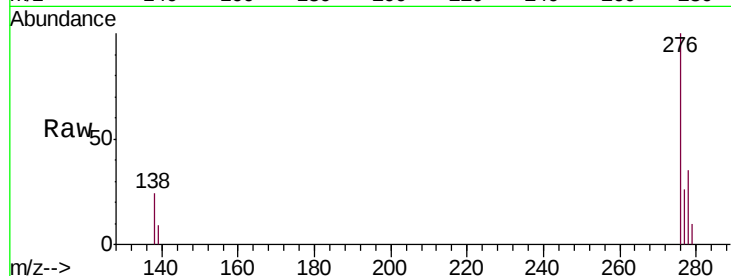
Tgt Ion:276 Resp: 21471

Ion Ratio Lower Upper

276 100

138 22.8 16.1 24.1

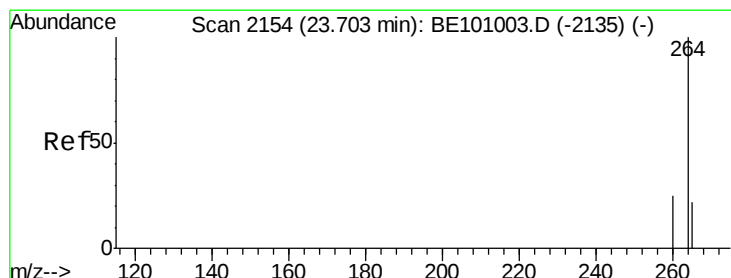
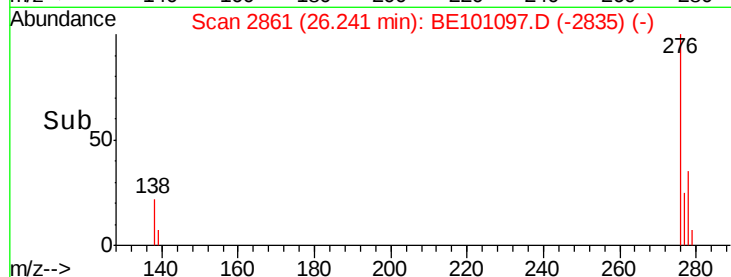
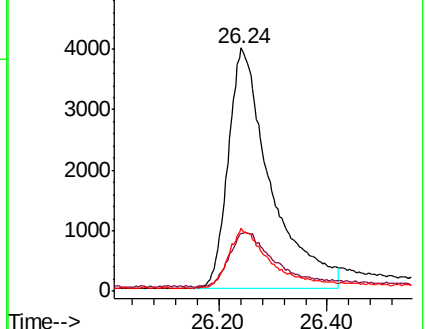
277 23.6 18.1 27.1



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: 23.70 min Scan# 2151

Delta R.T. -0.01 min

Lab File: BE101097.D

Acq: 20 Jan 2020 11:33

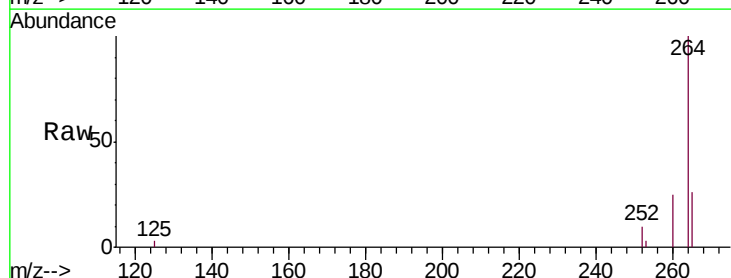
Tgt Ion:264 Resp: 22400

Ion Ratio Lower Upper

264 100

260 24.5 20.3 30.5

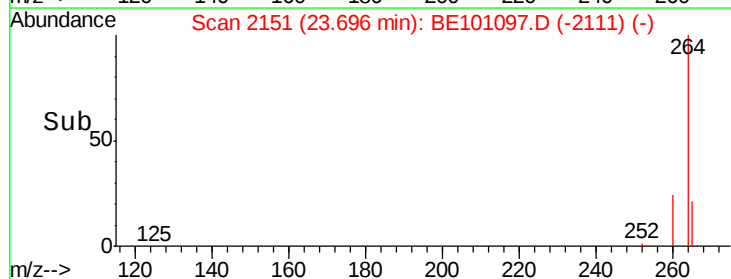
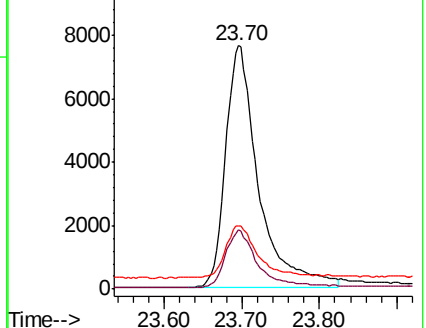
265 25.7 27.0 40.4#

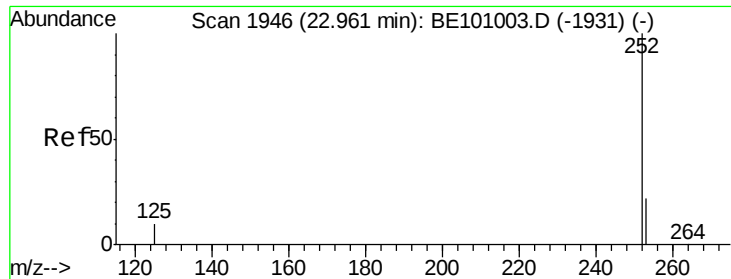


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.370 ng

RT: 22.95 min Scan# 1943

Delta R.T. -0.01 min

Lab File: BE101097.D

Acq: 20 Jan 2020 11:33

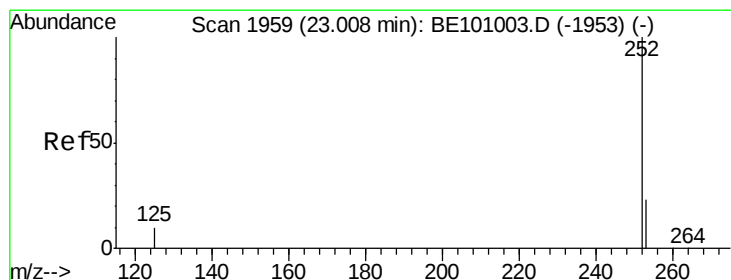
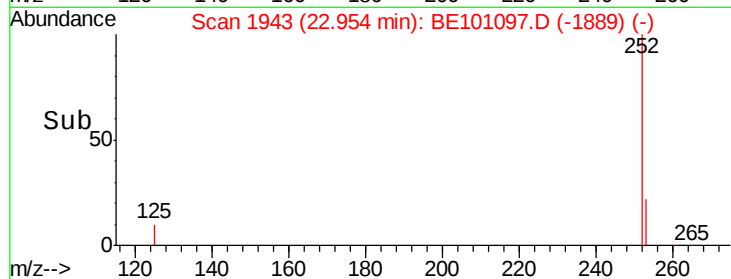
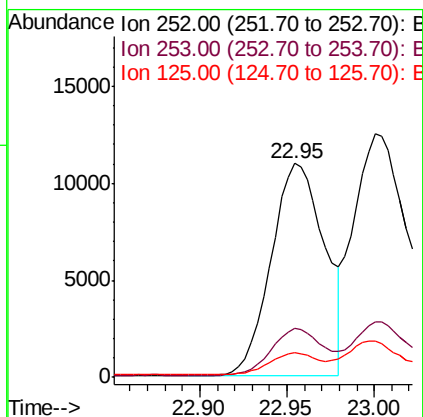
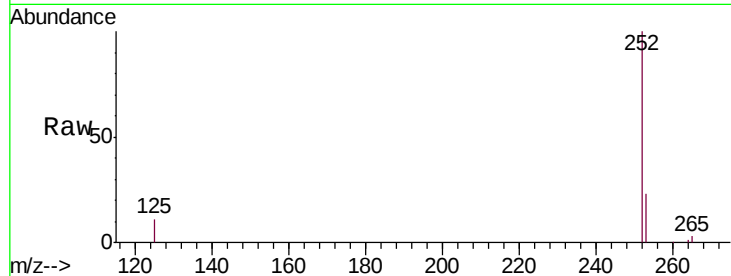
Instrument :

BNA\_E

ClientSampleId :

PB126102BS

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 252   | Resp: | 23247 |
| Ion      | Ratio | Lower | Upper |
| 252      | 100   |       |       |
| 253      | 22.7  | 18.5  | 27.7  |
| 125      | 11.4  | 9.5   | 14.3  |



#36

Benzo(k)fluoranthene

Concen: 0.371 ng

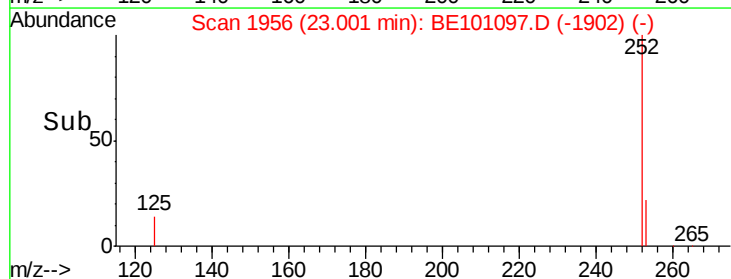
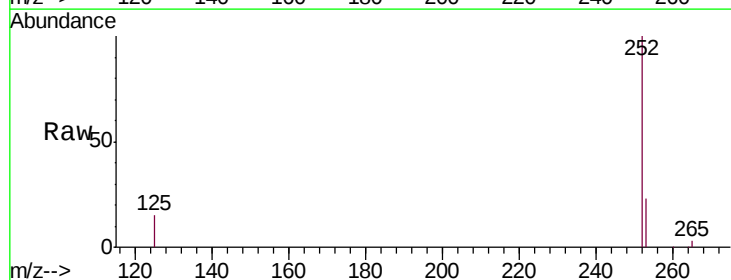
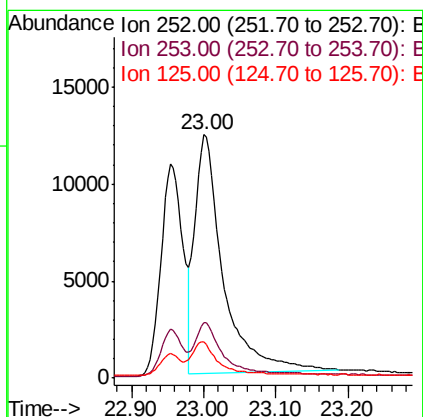
RT: 23.00 min Scan# 1956

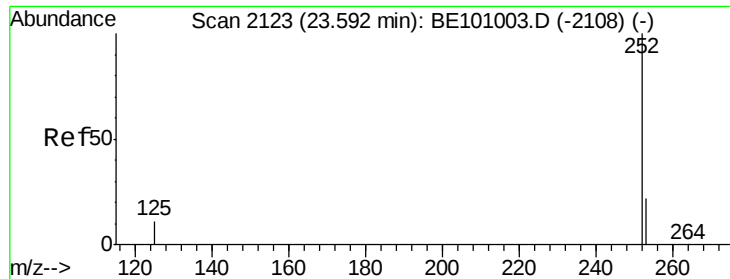
Delta R.T. -0.01 min

Lab File: BE101097.D

Acq: 20 Jan 2020 11:33

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 252   | Resp: | 33819 |
| Ion      | Ratio | Lower | Upper |
| 252      | 100   |       |       |
| 253      | 22.6  | 18.9  | 28.3  |
| 125      | 14.7  | 10.1  | 15.1  |





#37

Benzo(a)pyrene

Concen: 0.369 ng

RT: 23.59 min Scan# 2121

Delta R.T. -0.00 min

Lab File: BE101097.D

Acq: 20 Jan 2020 11:33

Instrument :

BNA\_E

ClientSampleId :

PB126102BS

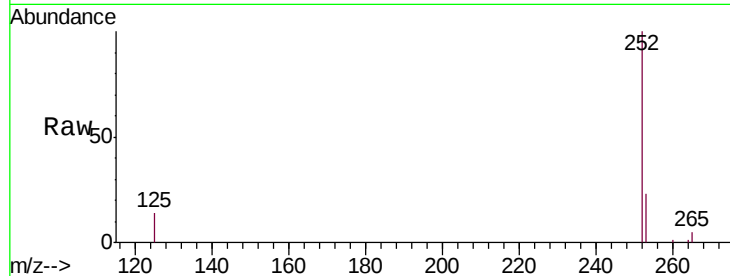
Tgt Ion:252 Resp: 22408

Ion Ratio Lower Upper

252 100

253 23.3 19.4 29.2

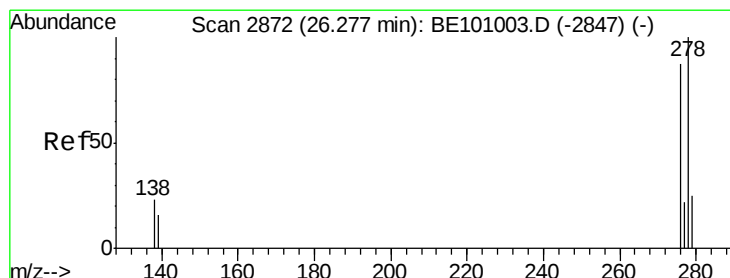
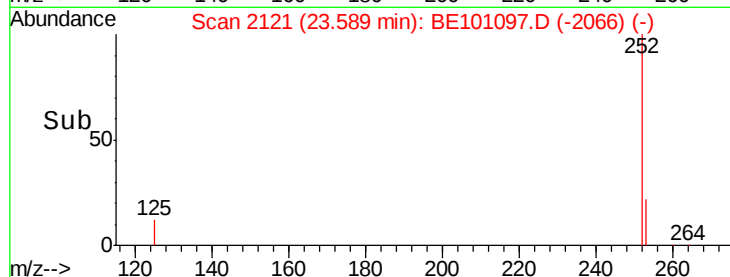
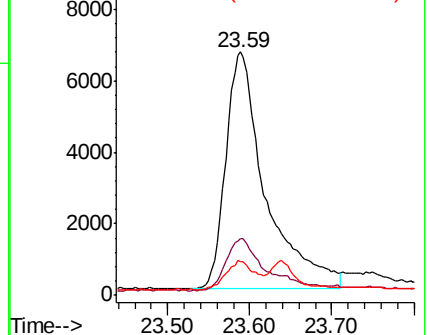
125 14.1 11.8 17.6



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: 0.276 ng

RT: 26.28 min Scan# 2871

Delta R.T. -0.00 min

Lab File: BE101097.D

Acq: 20 Jan 2020 11:33

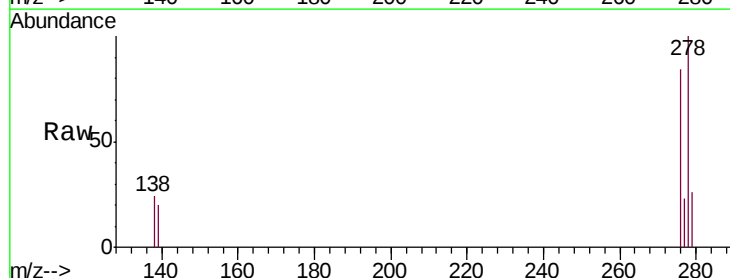
Tgt Ion:278 Resp: 15441

Ion Ratio Lower Upper

278 100

139 19.5 15.0 22.4

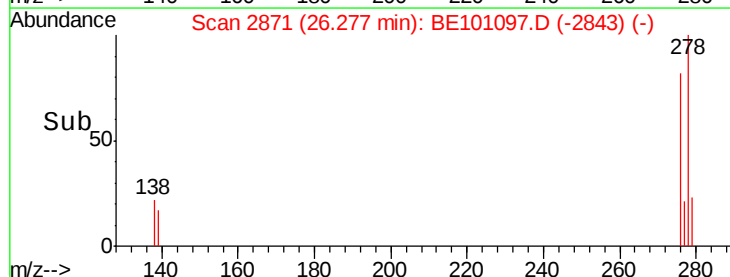
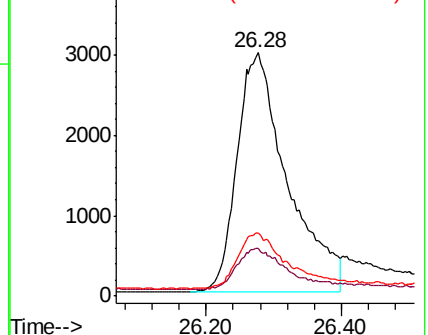
279 25.9 22.6 33.8

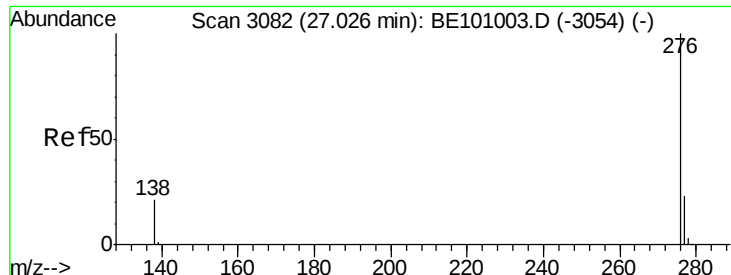


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.281 ng

RT: 27.02 min Scan# 3078

Delta R.T. -0.01 min

Lab File: BE101097.D

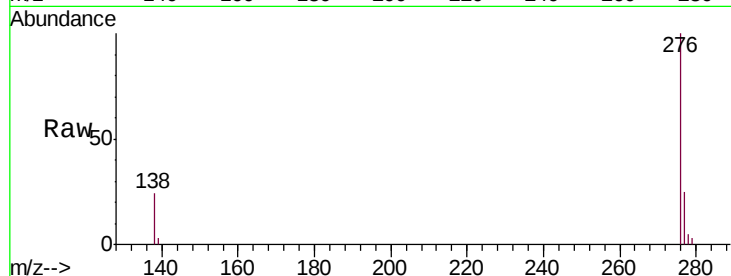
Acq: 20 Jan 2020 11:33

Instrument :

BNA\_E

ClientSampleId :

PB126102BS



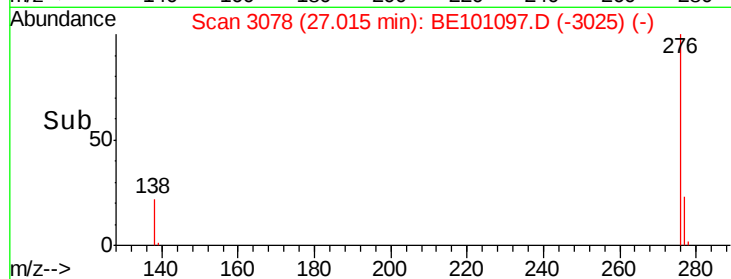
Tgt Ion: 276 Resp: 19297

Ion Ratio Lower Upper

276 100

277 24.6 19.4 29.2

138 23.6 17.9 26.9



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

