

Data File : BE101070.D  
Acq On : 16 Jan 2020 10:37  
Operator : JU  
Sample : SSTDCCC0.4  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

Quant Time: Jan 17 07:43:32 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 | 7.73  | 152  | 2668     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.50 | 136  | 11878    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.36 | 164  | 6763     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.09 | 188  | 14795    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.27 | 240  | 14422    | 0.40 | ng    | -0.01    |
| 34) Perylene-d12          | 23.69 | 264  | 19375    | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 4) 2-Fluorophenol           | 5.33  | 112 | 2612  | 0.43 | ng | 0.00  |
| 5) Phenol-d6                | 6.91  | 99  | 3079  | 0.41 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 8.87  | 82  | 3131  | 0.37 | ng | 0.00  |
| 11) 2-Methylnaphthalene-d10 | 12.11 | 152 | 8914  | 0.39 | ng | 0.00  |
| 14) 2,4,6-Tribromophenol    | 15.85 | 330 | 708   | 0.37 | ng | 0.00  |
| 15) 2-Fluorobiphenyl        | 12.99 | 172 | 10591 | 0.41 | ng | -0.01 |
| 25) Fluoranthene-d10        | 19.13 | 212 | 80216 | 0.39 | ng | 0.00  |
| 29) Terphenyl-d14           | 19.73 | 244 | 12669 | 0.36 | ng | 0.00  |

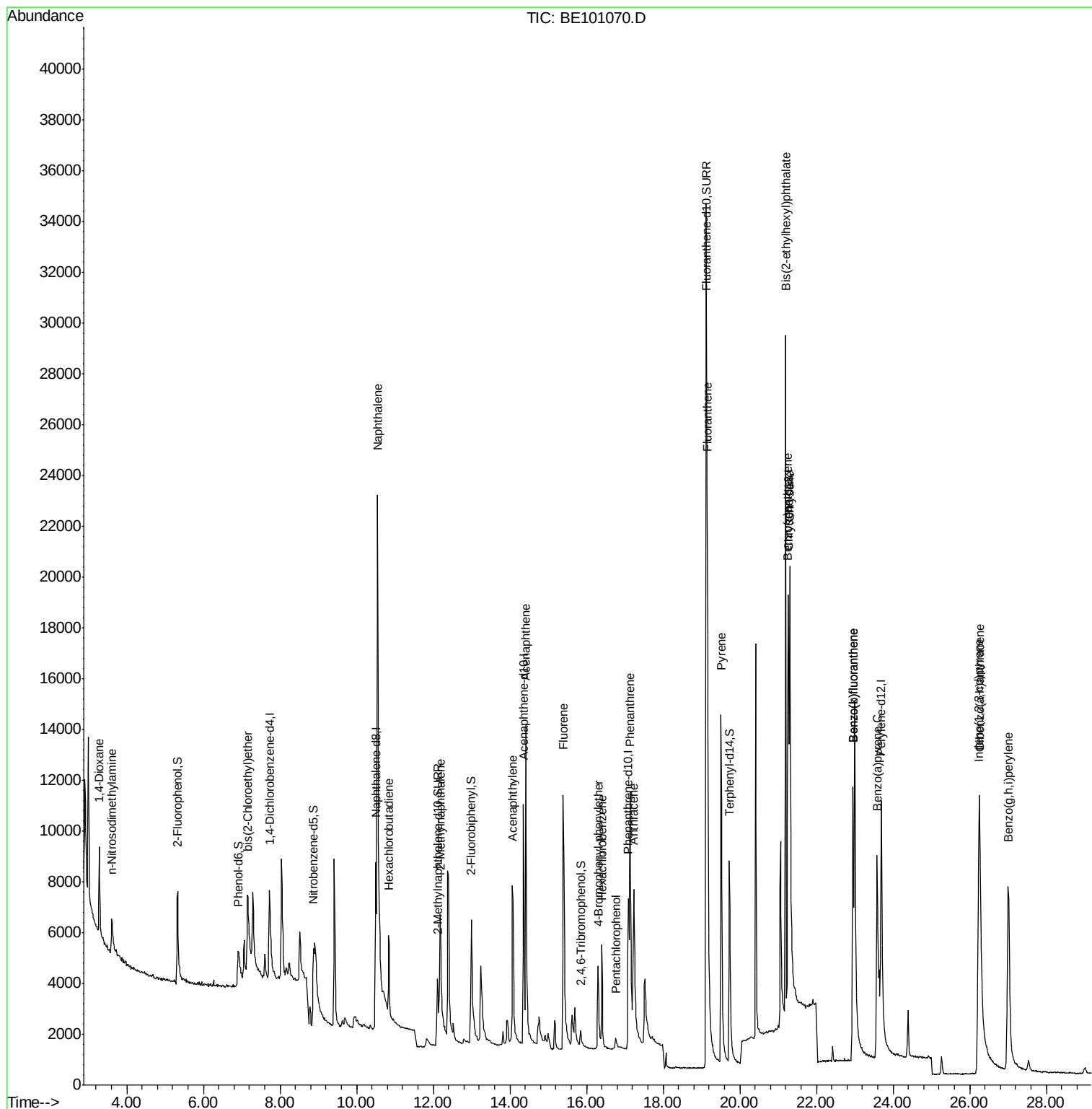
|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.28  | 88  | 2785  | 0.447  | ng | 98   |
| 3) n-Nitrosodimethylamine      | 3.60  | 42  | 1446  | 0.390  | ng | 95   |
| 6) bis(2-Chloroethyl)ether     | 7.16  | 93  | 3234  | 0.357  | ng | 94   |
| 9) Naphthalene                 | 10.55 | 128 | 54224 | 0.411  | ng | 100  |
| 10) Hexachlorobutadiene        | 10.83 | 225 | 2435  | 0.436  | ng | 98   |
| 12) 2-Methylnaphthalene        | 12.18 | 142 | 7357  | 0.369  | ng | 98   |
| 16) Acenaphthylene             | 14.07 | 152 | 11357 | 0.412  | ng | 99   |
| 17) Acenaphthene               | 14.41 | 154 | 8050  | 0.408  | ng | 97   |
| 18) Fluorene                   | 15.39 | 166 | 9491  | 0.381  | ng | 100  |
| 20) 4-Bromophenyl-phenylether  | 16.30 | 248 | 2700  | 0.374  | ng | 93   |
| 21) Hexachlorobenzene          | 16.40 | 284 | 3278  | 0.414  | ng | 98   |
| 22) Pentachlorophenol          | 16.76 | 266 | 552   | 0.449  | ng | 100  |
| 23) Phenanthrene               | 17.13 | 178 | 15612 | 0.386  | ng | 100  |
| 24) Anthracene                 | 17.23 | 178 | 15171 | 0.398  | ng | 99   |
| 26) Fluoranthene               | 19.16 | 202 | 19694 | 0.389  | ng | 99   |
| 28) Pyrene                     | 19.51 | 202 | 20286 | 0.378  | ng | 99   |
| 30) Benzo(a)anthracene         | 21.26 | 228 | 15633 | 0.380  | ng | 99   |
| 31) Chrysene                   | 21.31 | 228 | 25784 | 0.422  | ng | 98   |
| 32) Bis(2-ethylhexyl)phthalate | 21.20 | 149 | 29237 | 0.426  | ng | 99   |
| 33) Indeno(1,2,3-cd)pyrene     | 26.24 | 276 | 24583 | 0.509  | ng | # 94 |
| 35) Benzo(b)fluoranthene       | 22.95 | 252 | 18094 | 0.333  | ng | 99   |
| 36) Benzo(k)fluoranthene       | 22.95 | 252 | 18094 | 0.230  | ng | 98   |
| 37) Benzo(a)pyrene             | 23.58 | 252 | 20343 | 0.387  | ng | 98   |
| 38) Dibenzo(a,h)anthracene     | 26.26 | 278 | 19064 | 0.394  | ng | 94   |
| 39) Benzo(g,h,i)perylene       | 27.01 | 276 | 22579 | 0.380  | ng | 99   |

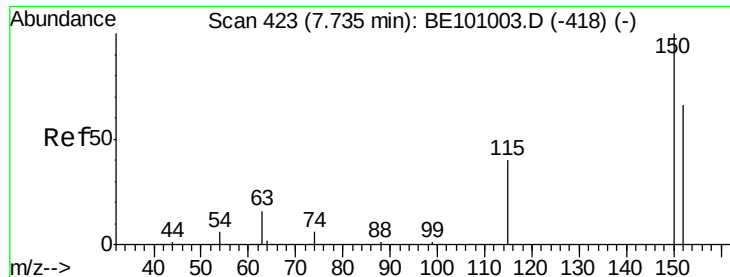
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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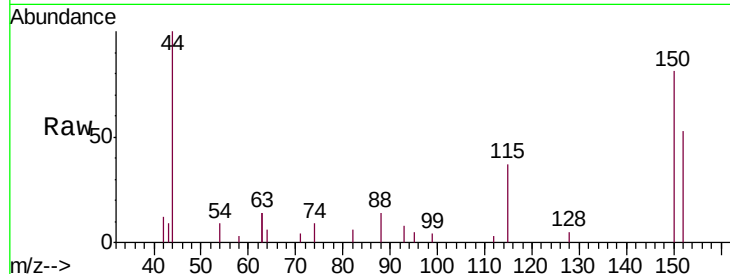


#1

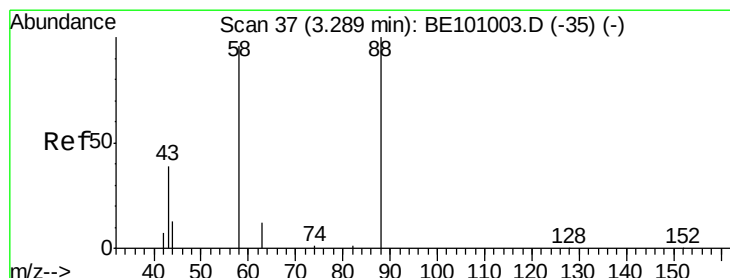
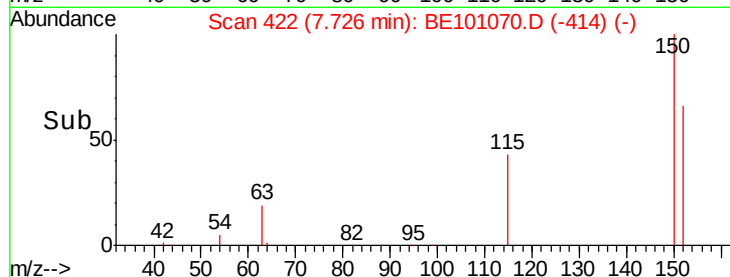
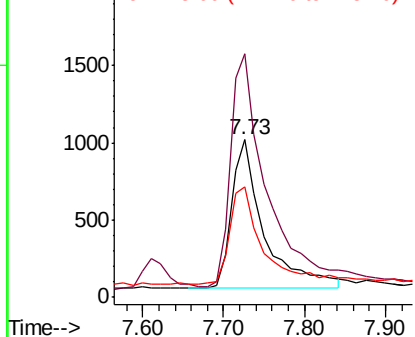
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.73 min Scan# 422  
Delta R.T. -0.01 min  
Lab File: BE101070.D  
Acq: 16 Jan 2020 10:37

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

Tgt Ion:152 Resp: 2668  
Ion Ratio Lower Upper  
152 100  
150 154.5 120.3 180.5  
115 70.0 51.7 77.5



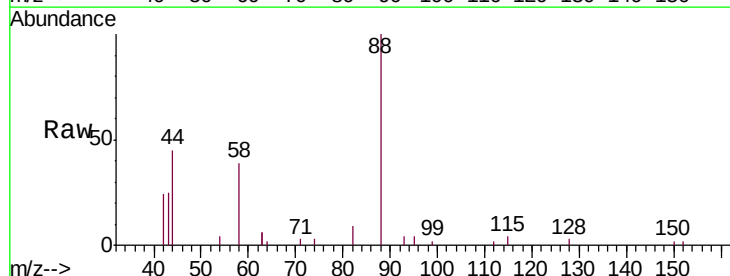
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



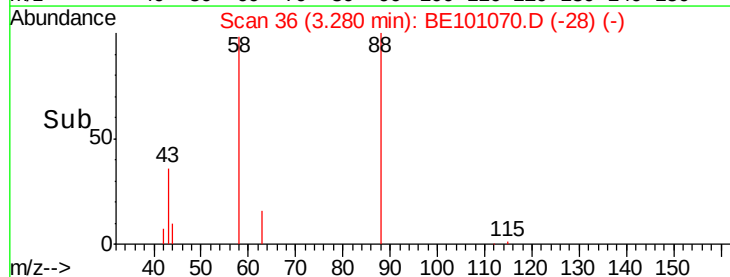
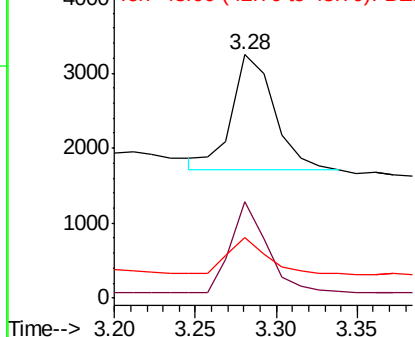
#2

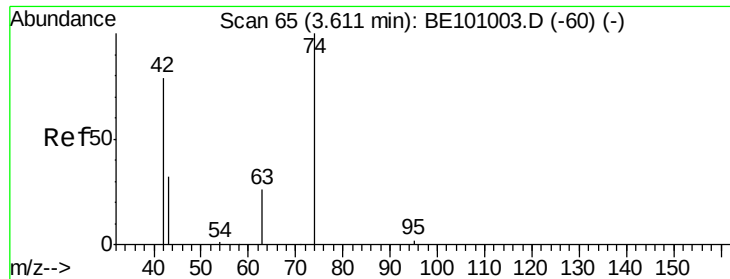
1,4-Dioxane  
Concen: 0.447 ng  
RT: 3.28 min Scan# 36  
Delta R.T. -0.01 min  
Lab File: BE101070.D  
Acq: 16 Jan 2020 10:37

Tgt Ion: 88 Resp: 2785  
Ion Ratio Lower Upper  
88 100  
58 68.1 53.0 79.4  
43 28.3 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: 0.390 ng

RT: 3.60 min Scan# 64

Delta R.T. -0.01 min

Lab File: BE101070.D

Acq: 16 Jan 2020 10:37

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

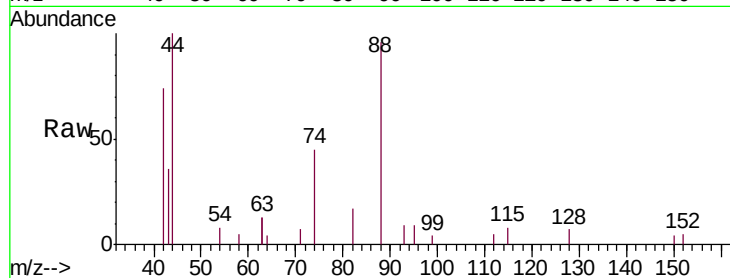
Tgt Ion: 42 Resp: 1446

Ion Ratio Lower Upper

42 100

74 125.8 105.7 158.5

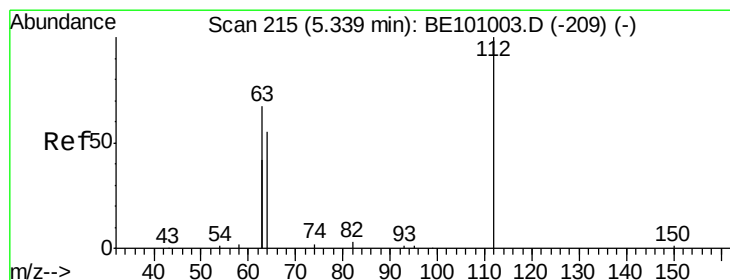
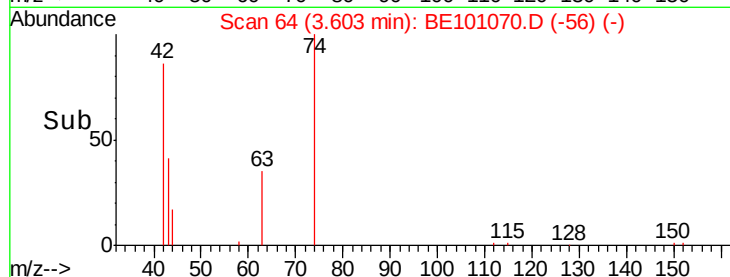
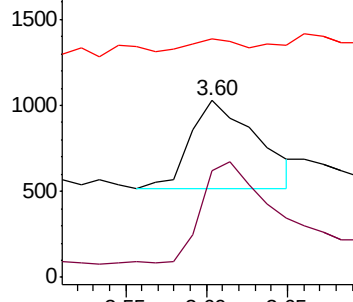
44 11.4 10.0 15.0



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: 0.435 ng

RT: 5.33 min Scan# 214

Delta R.T. -0.01 min

Lab File: BE101070.D

Acq: 16 Jan 2020 10:37

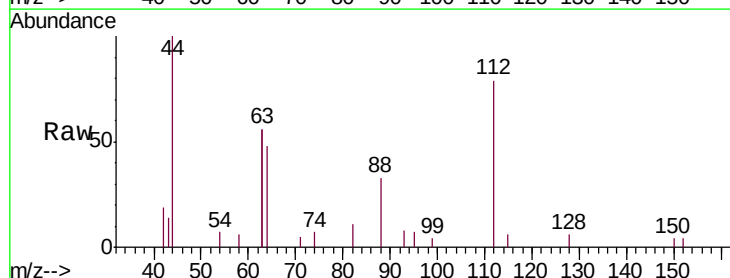
Tgt Ion: 112 Resp: 2612

Ion Ratio Lower Upper

112 100

64 69.0 53.6 80.4

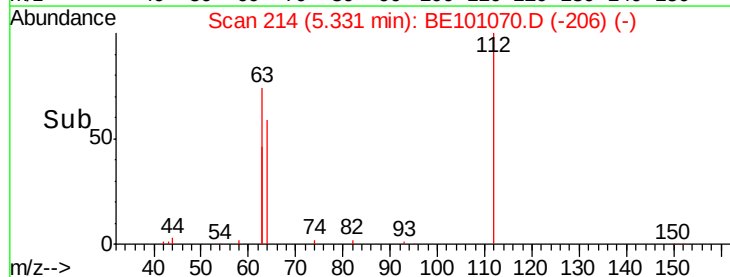
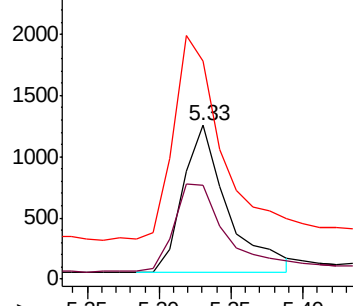
63 151.2 114.6 172.0

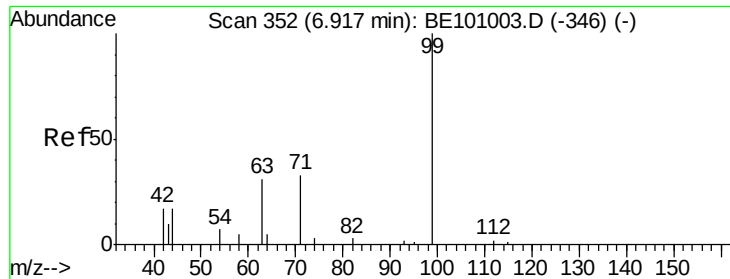


Abundance Ion 112.00 (111.70 to 112.70): BE1

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.405 ng

RT: 6.91 min Scan# 351

Delta R.T. -0.01 min

Lab File: BE101070.D

Acq: 16 Jan 2020 10:37

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

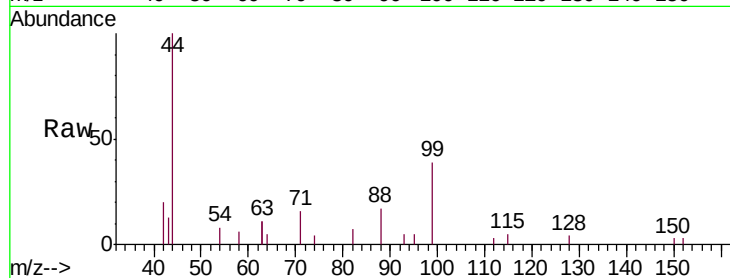
Tgt Ion: 99 Resp: 3079

Ion Ratio Lower Upper

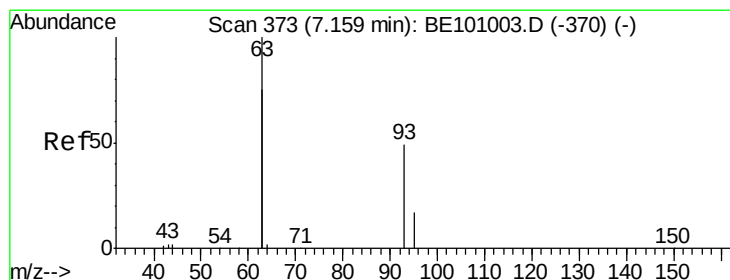
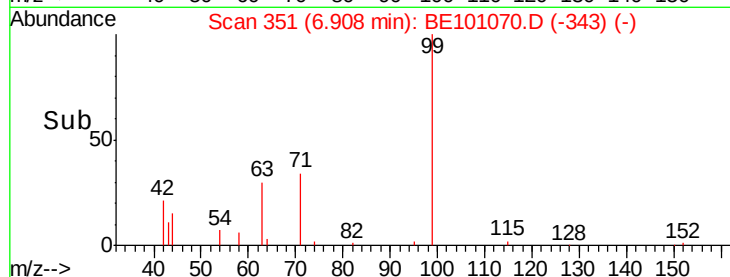
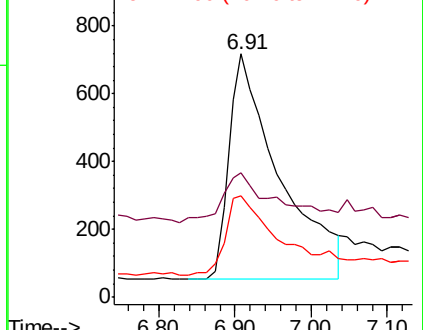
99 100

42 23.1 18.3 27.5

71 38.1 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: 0.357 ng

RT: 7.16 min Scan# 373

Delta R.T. 0.00 min

Lab File: BE101070.D

Acq: 16 Jan 2020 10:37

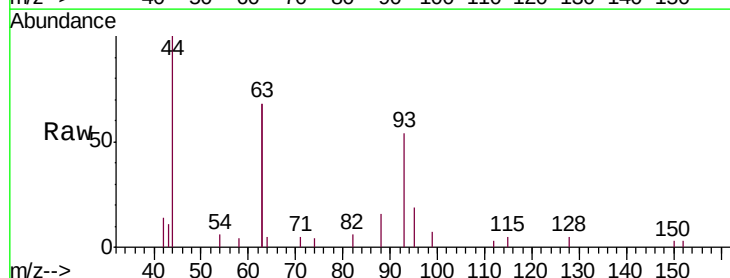
Tgt Ion: 93 Resp: 3234

Ion Ratio Lower Upper

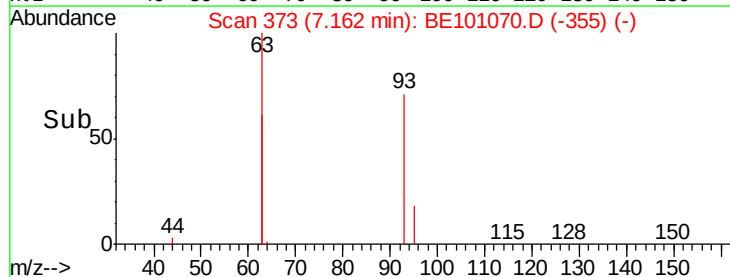
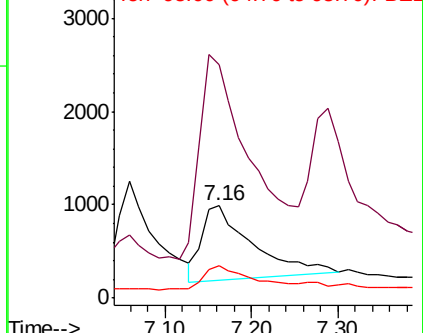
93 100

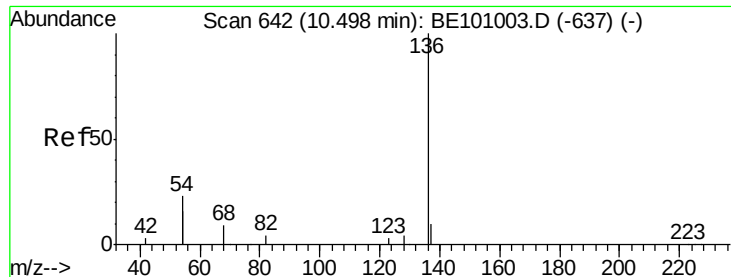
63 281.0 233.9 350.9

95 31.6 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: BE101070.D

Acq: 16 Jan 2020 10:37

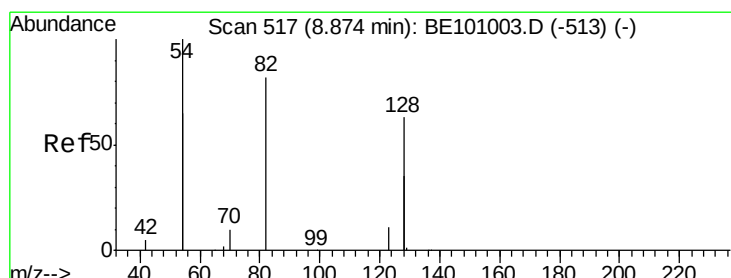
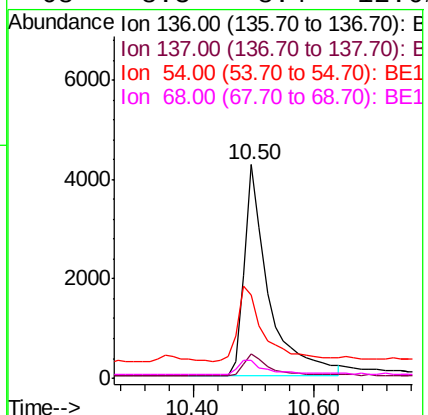
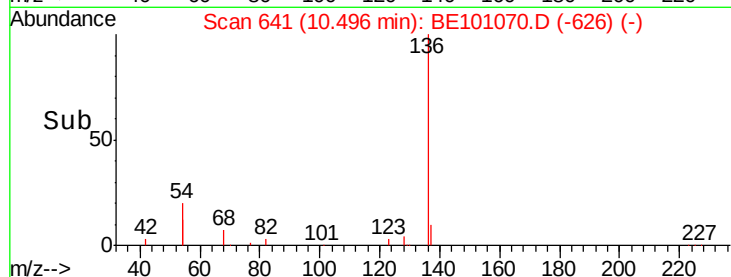
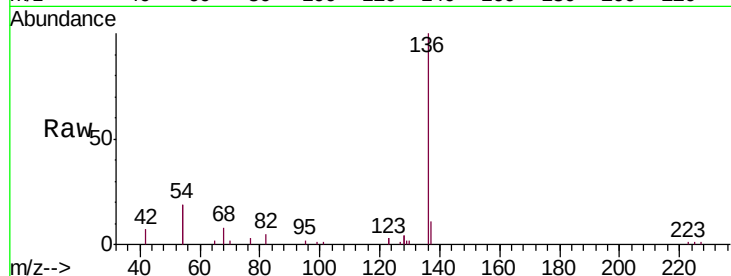
Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 11878 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.2  | 9.3   | 13.9  |
| 54       | 38.7  | 36.8  | 55.2  |
| 68       | 8.3   | 8.4   | 12.6# |



#8

Nitrobenzene-d5

Concen: 0.369 ng

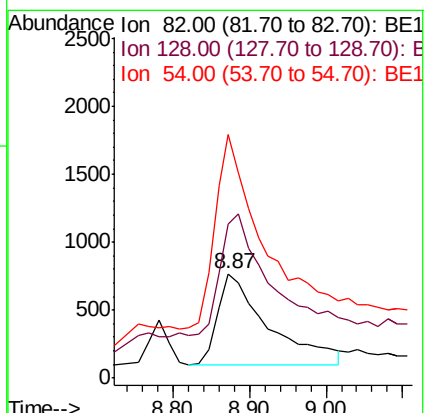
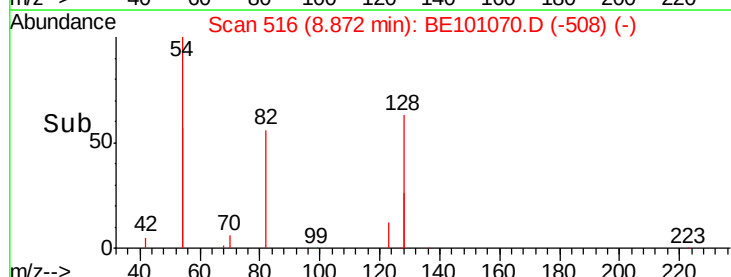
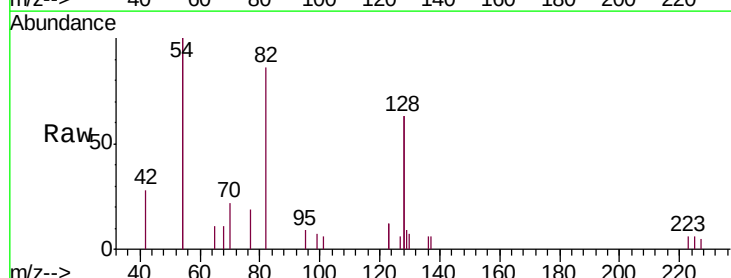
RT: 8.87 min Scan# 516

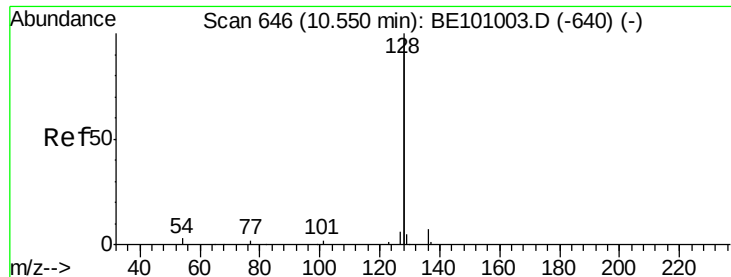
Delta R.T. -0.00 min

Lab File: BE101070.D

Acq: 16 Jan 2020 10:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 3131  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 147.8 | 109.8 | 164.6 |
| 54       | 233.6 | 174.5 | 261.7 |





#9

Naphthalene

Concen: 0.411 ng

RT: 10.55 min Scan# 645

Delta R.T. -0.00 min

Lab File: BE101070.D

Acq: 16 Jan 2020 10:37

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

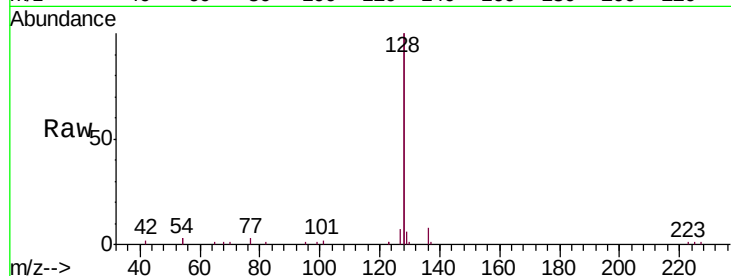
Tgt Ion:128 Resp: 54224

Ion Ratio Lower Upper

128 100

129 3.1 2.3 3.5

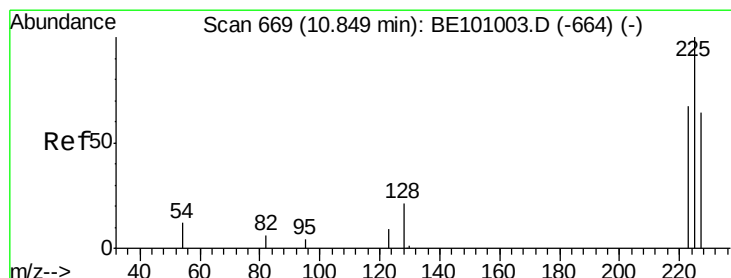
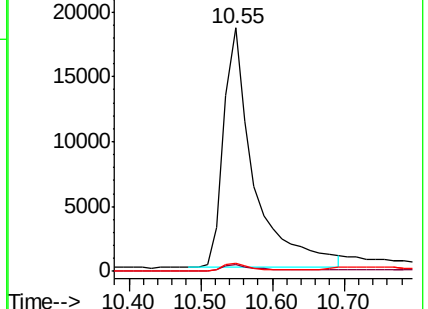
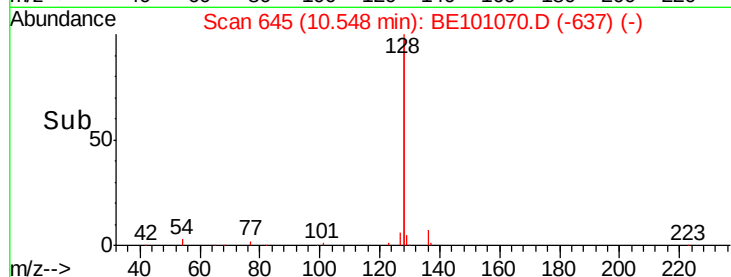
127 3.5 2.7 4.1



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: 0.436 ng

RT: 10.83 min Scan# 667

Delta R.T. -0.01 min

Lab File: BE101070.D

Acq: 16 Jan 2020 10:37

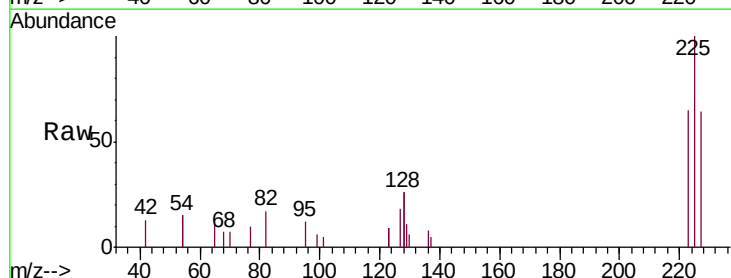
Tgt Ion:225 Resp: 2435

Ion Ratio Lower Upper

225 100

223 61.9 52.2 78.4

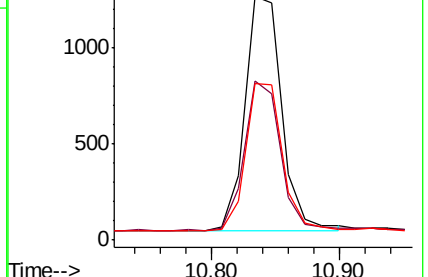
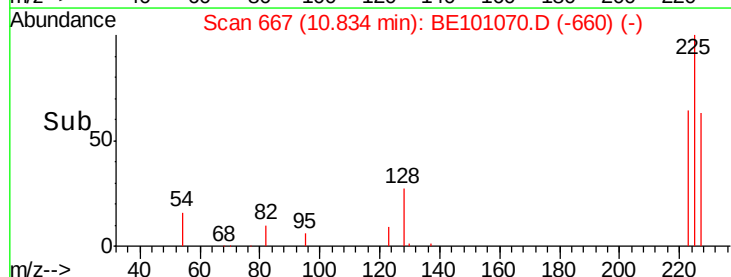
227 62.3 49.9 74.9

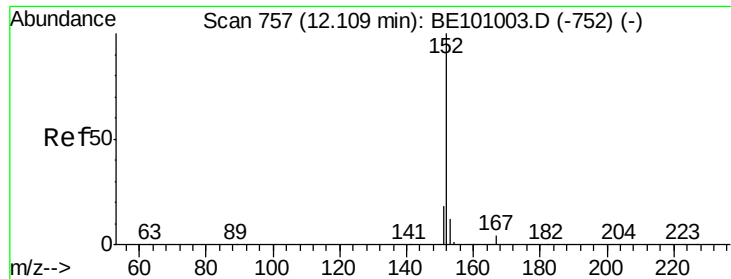


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

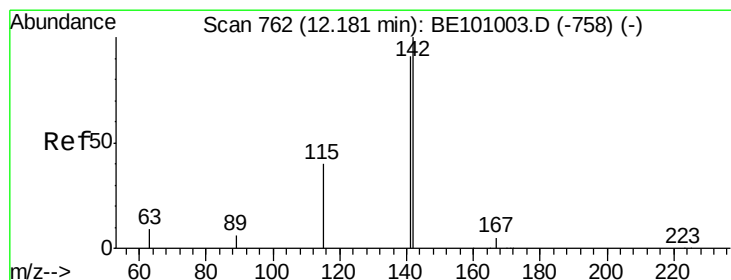
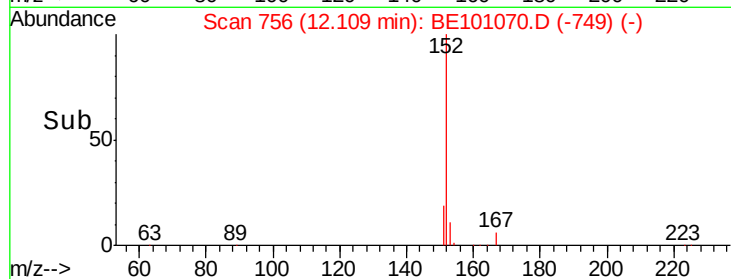
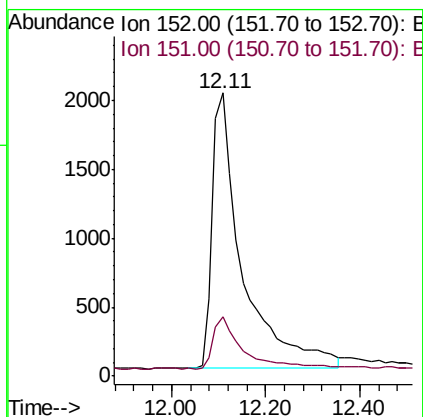
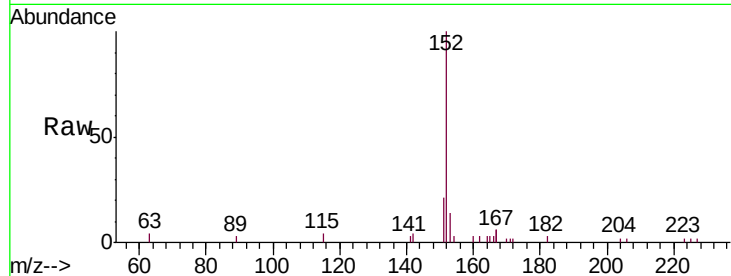




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.393 ng  
 RT: 12.11 min Scan# 756  
 Delta R.T. 0.00 min  
 Lab File: BE101070.D  
 Acq: 16 Jan 2020 10:37

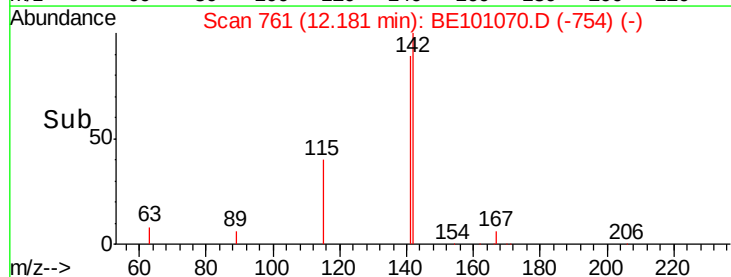
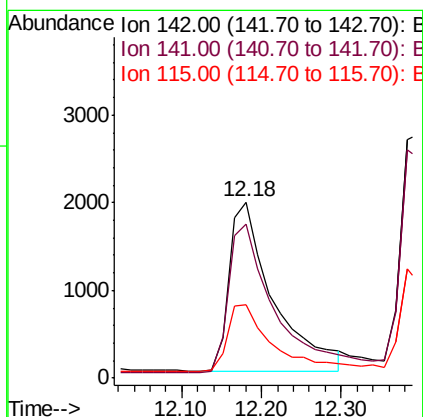
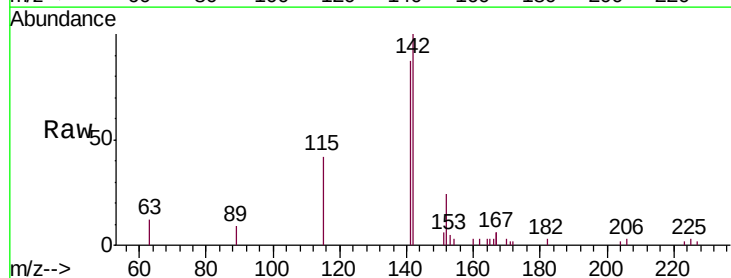
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

Tgt Ion:152 Resp: 8914  
 Ion Ratio Lower Upper  
 152 100  
 151 19.1 15.0 22.6

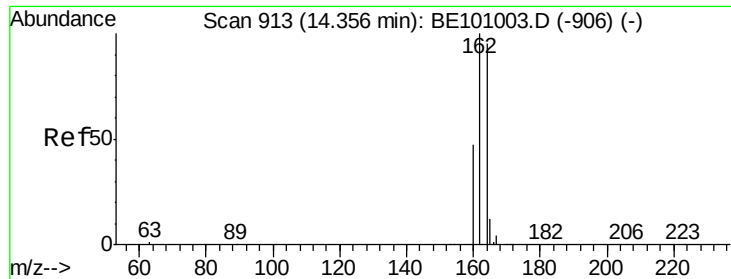


#12  
 2-Methylnaphthalene  
 Concen: 0.369 ng  
 RT: 12.18 min Scan# 761  
 Delta R.T. 0.00 min  
 Lab File: BE101070.D  
 Acq: 16 Jan 2020 10:37

Tgt Ion:142 Resp: 7357  
 Ion Ratio Lower Upper  
 142 100  
 141 87.5 72.5 108.7  
 115 41.6 33.0 49.6



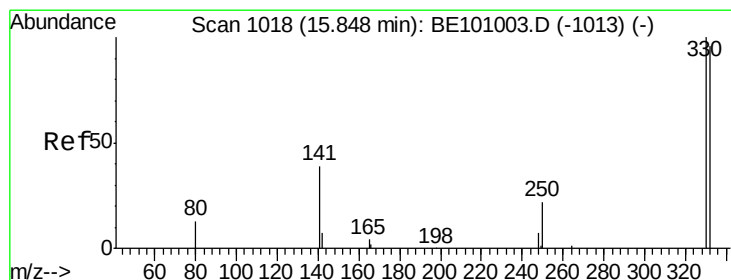
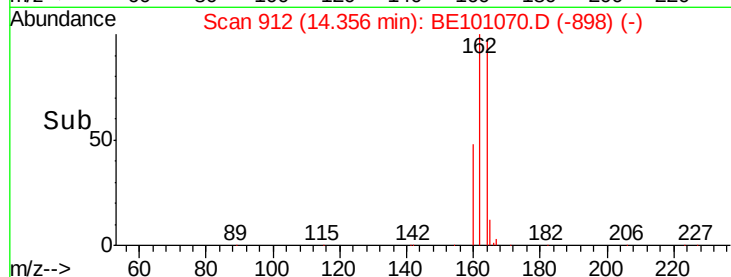
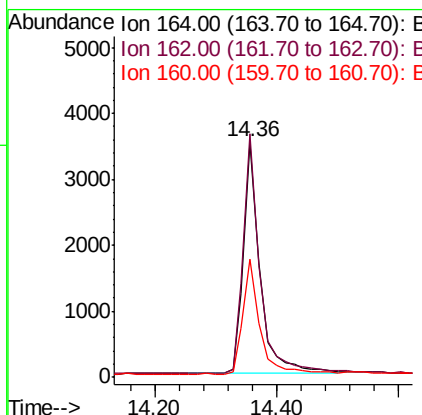
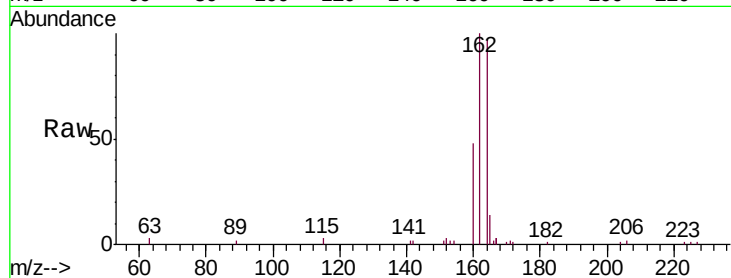




#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.36 min Scan# 912  
 Delta R.T. 0.00 min  
 Lab File: BE101070.D  
 Acq: 16 Jan 2020 10:37

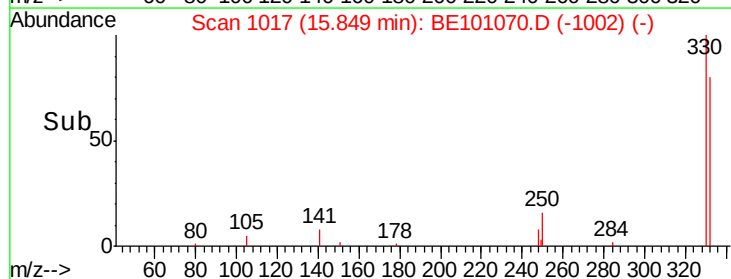
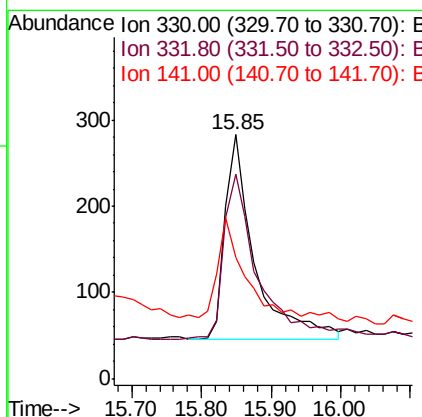
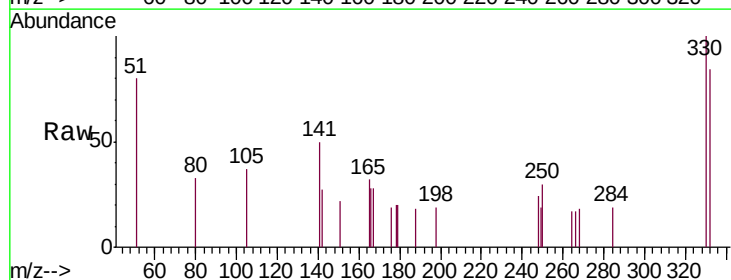
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

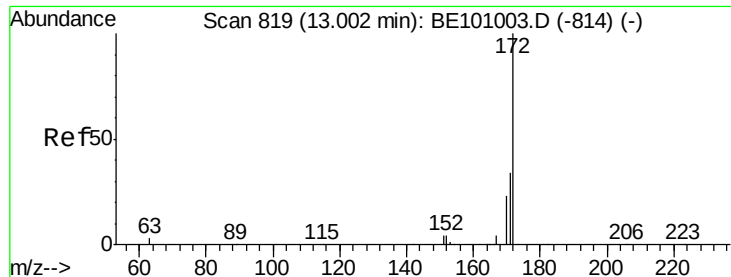
Tgt Ion:164 Resp: 6763  
 Ion Ratio Lower Upper  
 164 100  
 162 103.6 84.1 126.1  
 160 50.1 40.4 60.6



#14  
 2,4,6-Tribromophenol  
 Concen: 0.371 ng  
 RT: 15.85 min Scan# 1017  
 Delta R.T. 0.00 min  
 Lab File: BE101070.D  
 Acq: 16 Jan 2020 10:37

Tgt Ion:330 Resp: 708  
 Ion Ratio Lower Upper  
 330 100  
 332 91.2 78.4 117.6  
 141 41.8 37.0 55.4

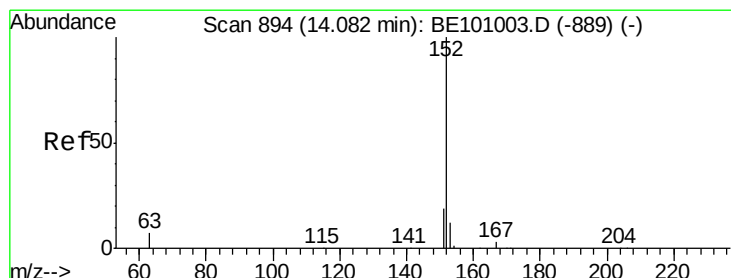
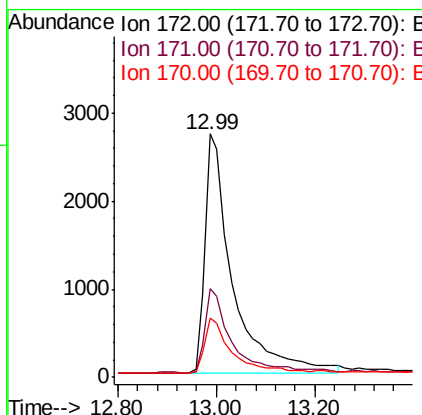
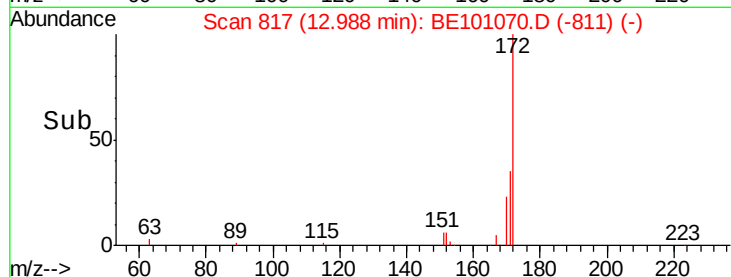
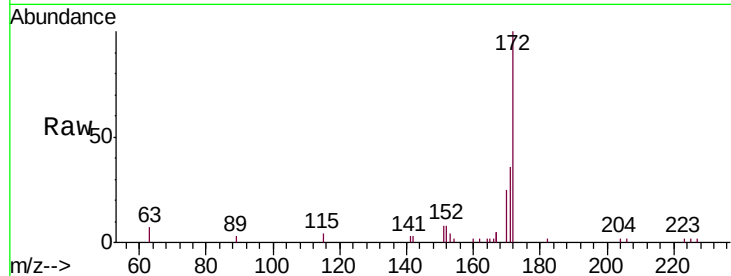




#15  
2-Fluorobiphenyl  
Concen: 0.412 ng  
RT: 12.99 min Scan# 817  
Delta R.T. -0.01 min  
Lab File: BE101070.D  
Acq: 16 Jan 2020 10:37

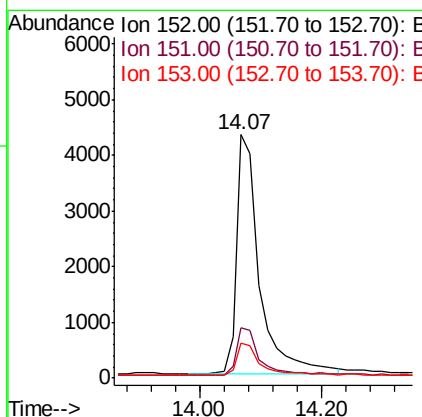
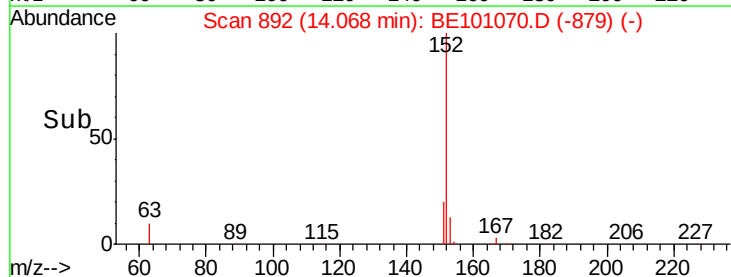
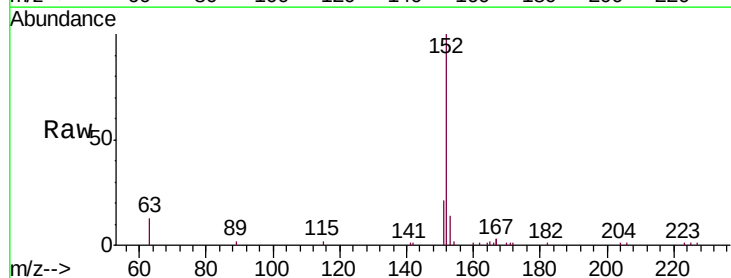
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

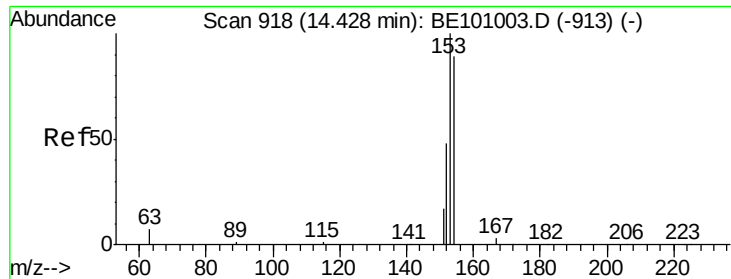
Tgt Ion:172 Resp: 10591  
Ion Ratio Lower Upper  
172 100  
171 36.5 28.2 42.2  
170 24.5 18.9 28.3



#16  
Acenaphthylene  
Concen: 0.412 ng  
RT: 14.07 min Scan# 892  
Delta R.T. -0.01 min  
Lab File: BE101070.D  
Acq: 16 Jan 2020 10:37

Tgt Ion:152 Resp: 11357  
Ion Ratio Lower Upper  
152 100  
151 20.2 15.5 23.3  
153 13.2 10.4 15.6

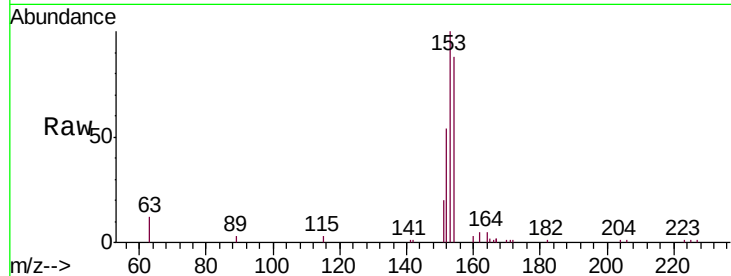




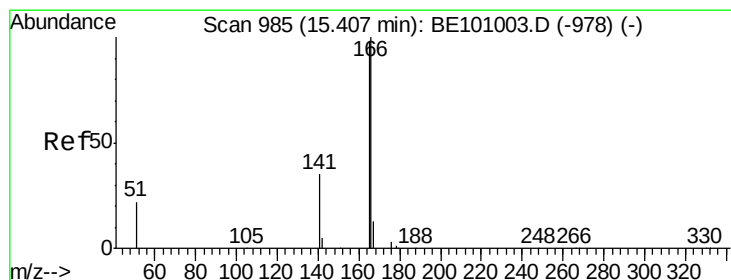
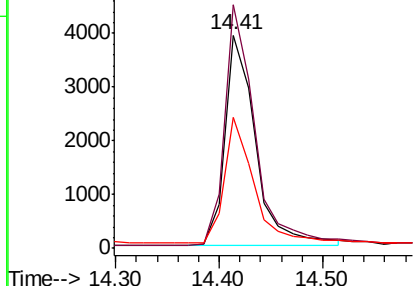
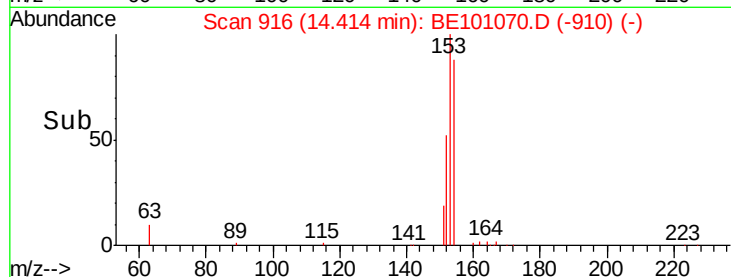
#17  
Acenaphthene  
Concen: 0.408 ng  
RT: 14.41 min Scan# 916  
Delta R.T. -0.01 min  
Lab File: BE101070.D  
Acq: 16 Jan 2020 10:37

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

Tgt Ion:154 Resp: 8050  
Ion Ratio Lower Upper  
154 100  
153 112.7 93.6 140.4  
152 57.3 46.3 69.5

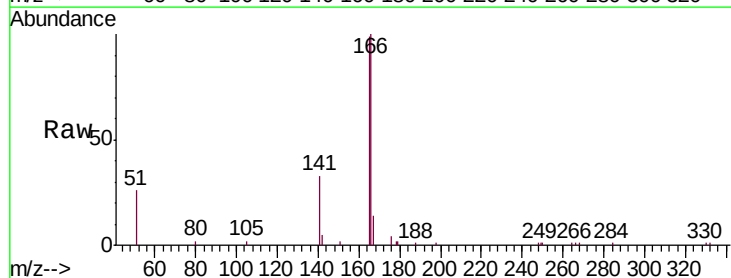


Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E

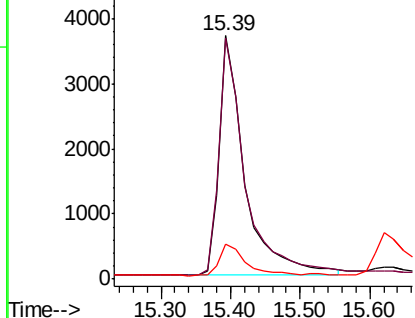
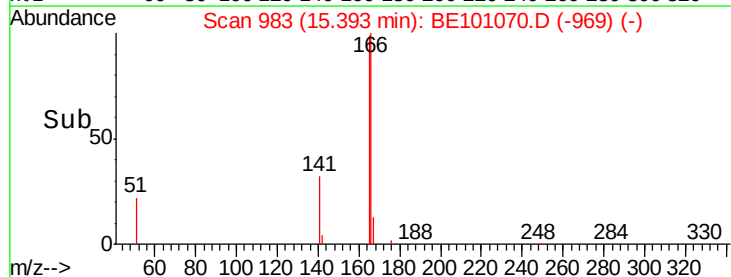


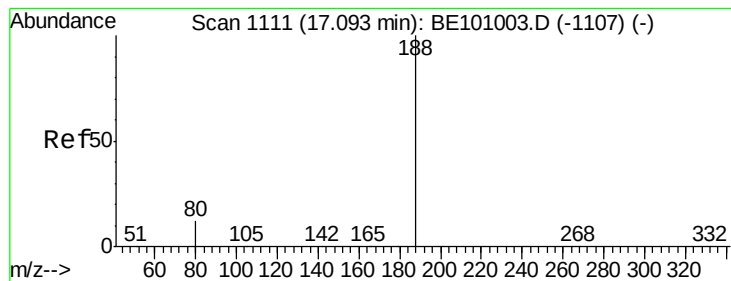
#18  
Fluorene  
Concen: 0.381 ng  
RT: 15.39 min Scan# 983  
Delta R.T. -0.01 min  
Lab File: BE101070.D  
Acq: 16 Jan 2020 10:37

Tgt Ion:166 Resp: 9491  
Ion Ratio Lower Upper  
166 100  
165 100.0 79.8 119.8  
167 13.6 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

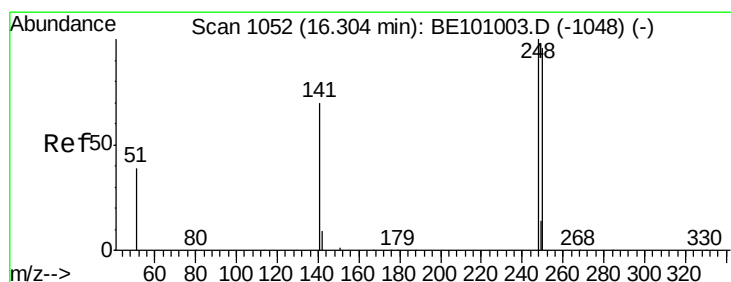
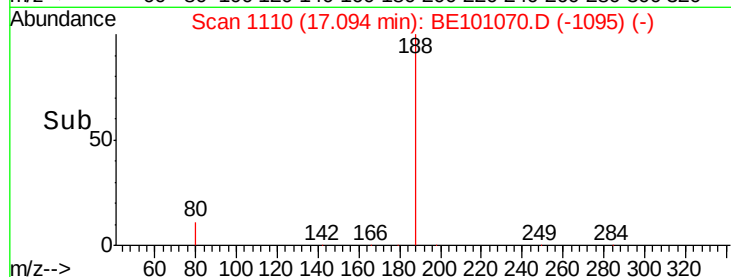
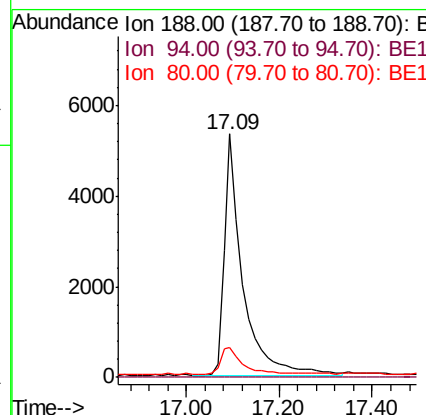
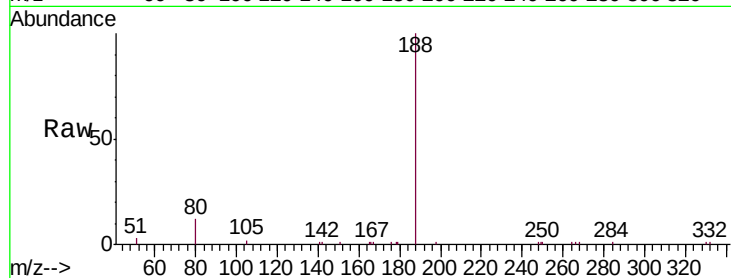




#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.09 min Scan# 1110  
Delta R.T. 0.00 min  
Lab File: BE101070.D  
Acq: 16 Jan 2020 10:37

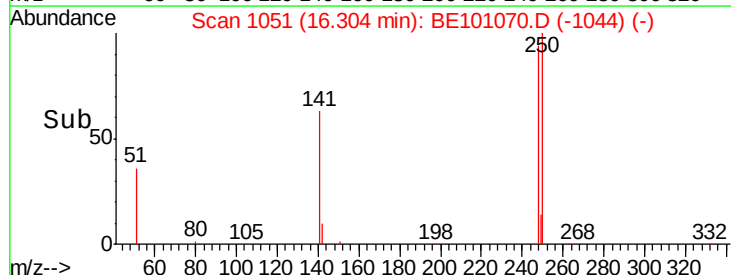
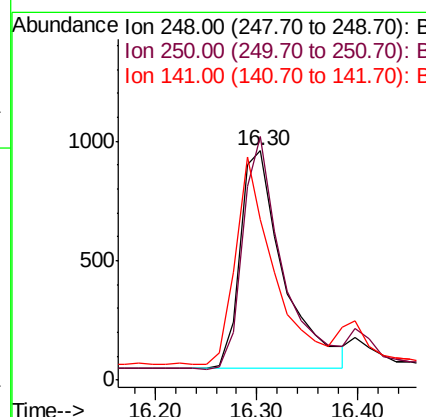
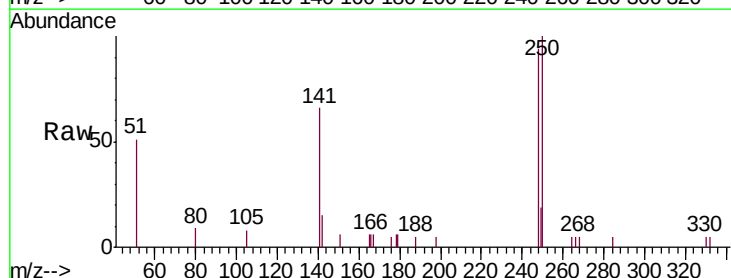
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

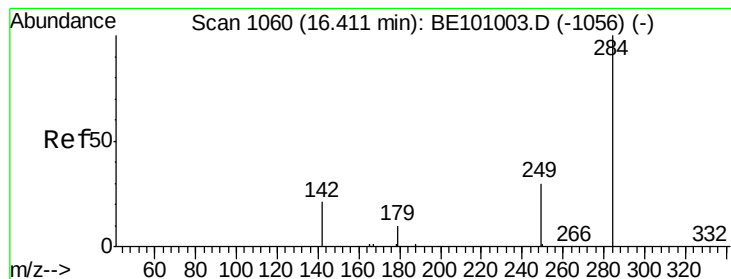
Tgt Ion:188 Resp: 14795  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 12.3 10.8 16.2



#20  
4-Bromophenyl-phenylether  
Concen: 0.374 ng  
RT: 16.30 min Scan# 1051  
Delta R.T. 0.00 min  
Lab File: BE101070.D  
Acq: 16 Jan 2020 10:37

Tgt Ion:248 Resp: 2700  
Ion Ratio Lower Upper  
248 100  
250 106.1 76.6 115.0  
141 69.8 57.7 86.5





#21

Hexachlorobenzene

Concen: 0.414 ng

RT: 16.40 min Scan# 1058

Delta R.T. -0.01 min

Lab File: BE101070.D

Acq: 16 Jan 2020 10:37

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

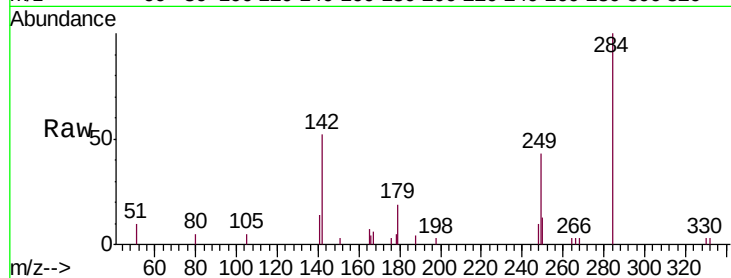
Tgt Ion:284 Resp: 3278

Ion Ratio Lower Upper

284 100

142 42.8 34.0 51.0

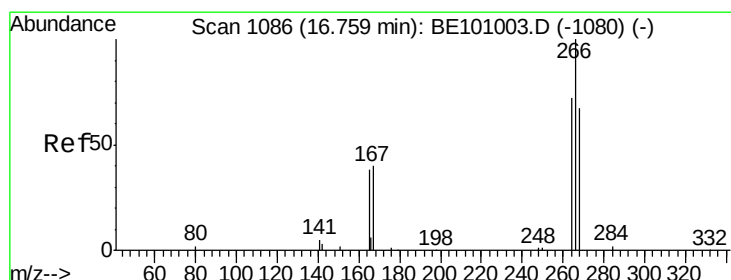
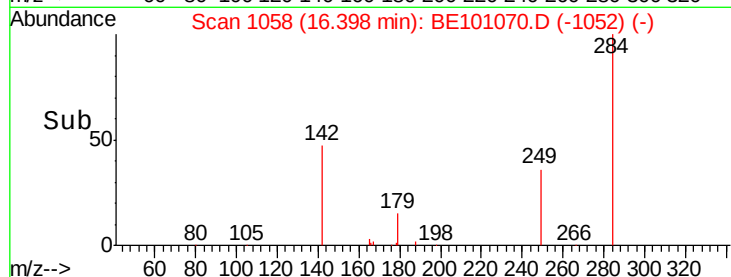
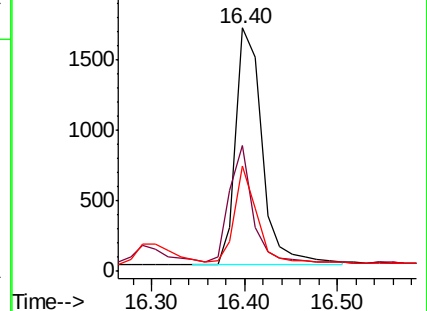
249 33.7 28.2 42.4



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: 0.449 ng

RT: 16.76 min Scan# 1085

Delta R.T. 0.00 min

Lab File: BE101070.D

Acq: 16 Jan 2020 10:37

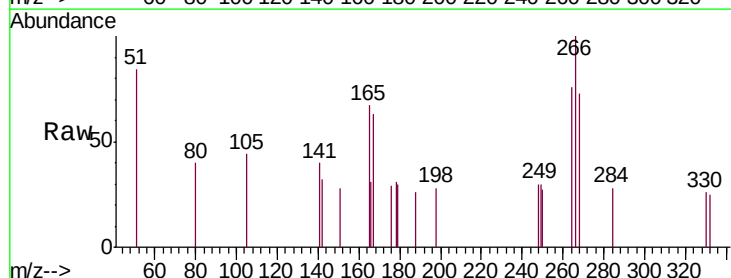
Tgt Ion:266 Resp: 552

Ion Ratio Lower Upper

266 100

264 75.9 61.0 91.4

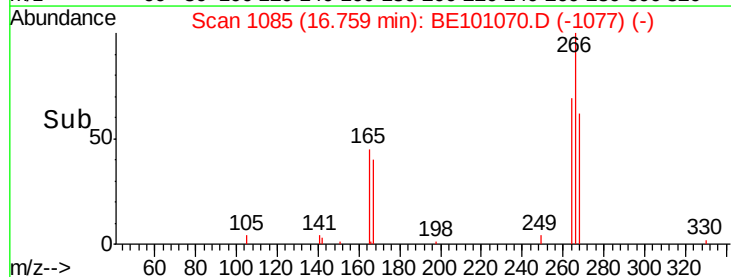
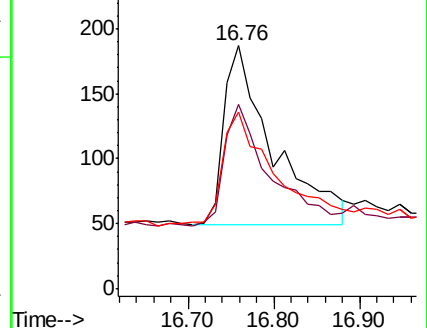
268 72.7 58.5 87.7

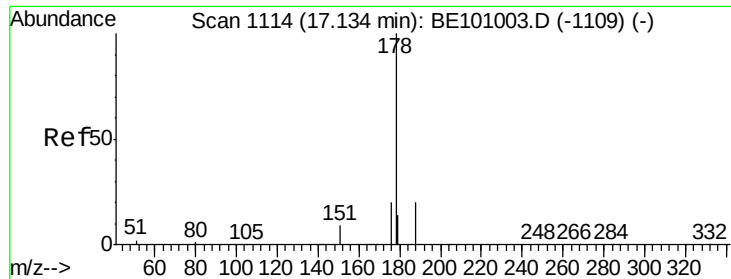


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.386 ng

RT: 17.13 min Scan# 1113

Delta R.T. 0.00 min

Lab File: BE101070.D

Acq: 16 Jan 2020 10:37

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

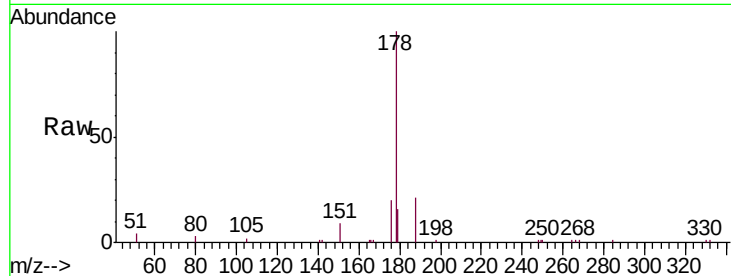
Tgt Ion:178 Resp: 15612

Ion Ratio Lower Upper

178 100

176 19.4 15.7 23.5

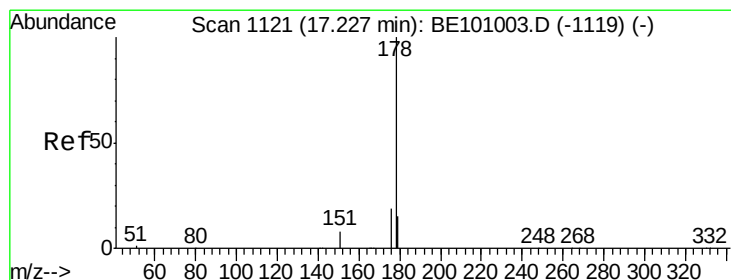
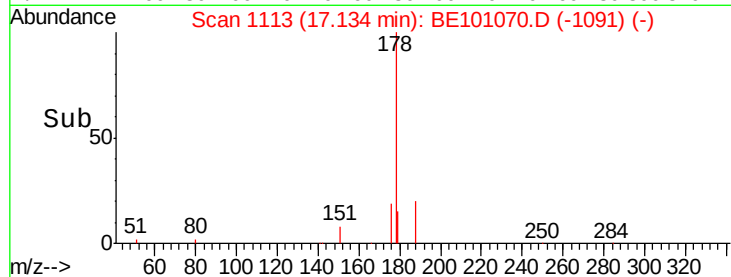
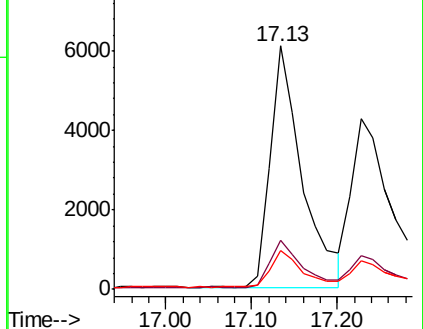
179 15.1 12.0 18.0



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: 0.398 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE101070.D

Acq: 16 Jan 2020 10:37

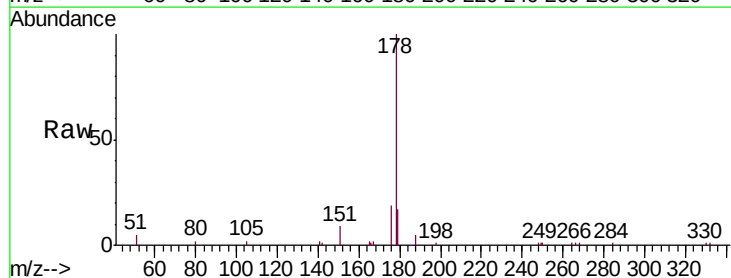
Tgt Ion:178 Resp: 15171

Ion Ratio Lower Upper

178 100

176 18.0 14.8 22.2

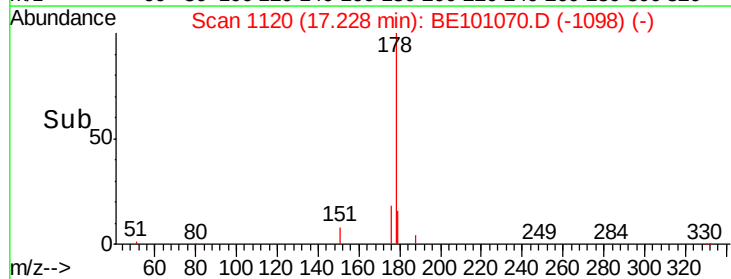
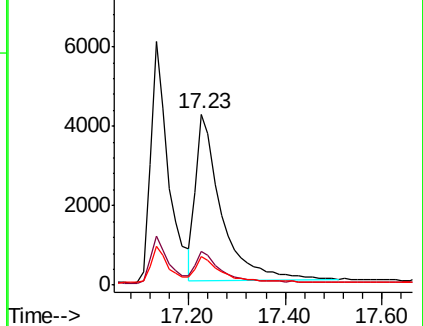
179 15.1 12.4 18.6

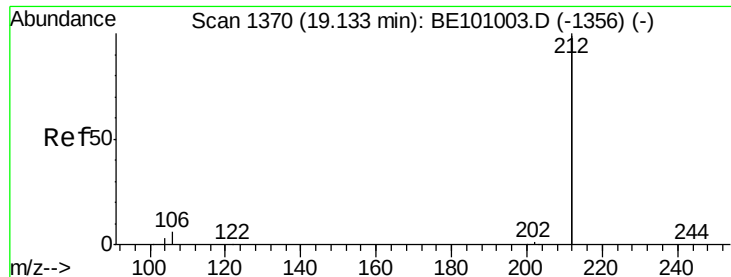


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.390 ng

RT: 19.13 min Scan# 1368

Delta R.T. -0.01 min

Lab File: BE101070.D

Acq: 16 Jan 2020 10:37

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

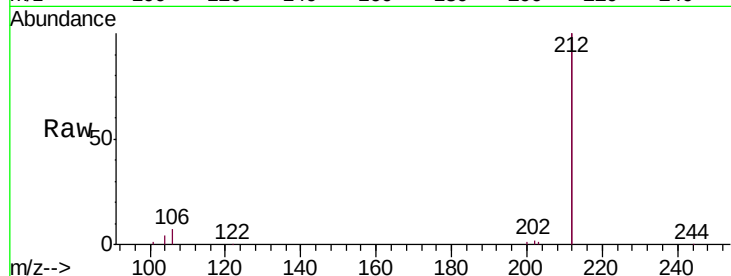
Tgt Ion:212 Resp: 80216

Ion Ratio Lower Upper

212 100

106 3.4 2.6 3.8

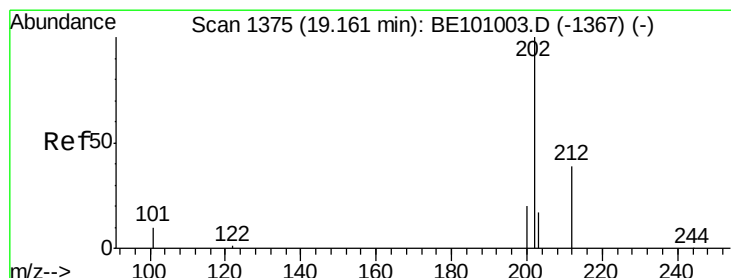
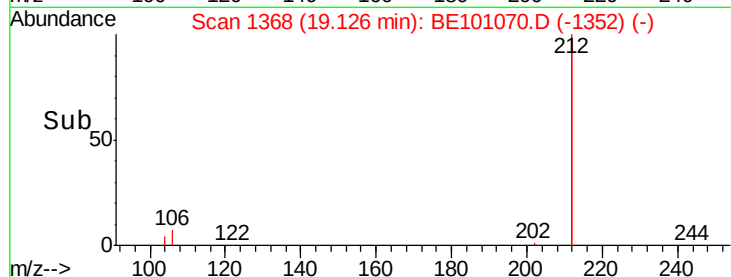
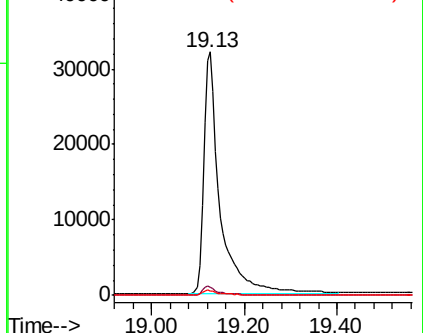
104 1.8 1.4 2.0



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: 0.389 ng

RT: 19.16 min Scan# 1373

Delta R.T. -0.01 min

Lab File: BE101070.D

Acq: 16 Jan 2020 10:37

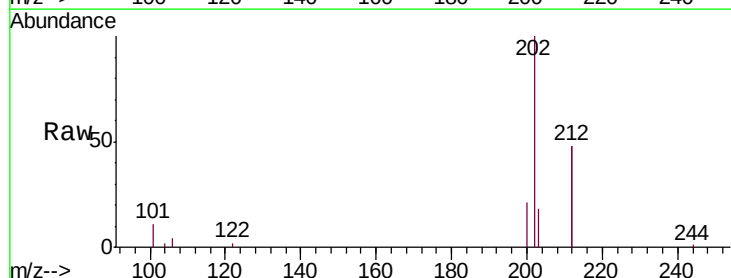
Tgt Ion:202 Resp: 19694

Ion Ratio Lower Upper

202 100

101 11.7 9.6 14.4

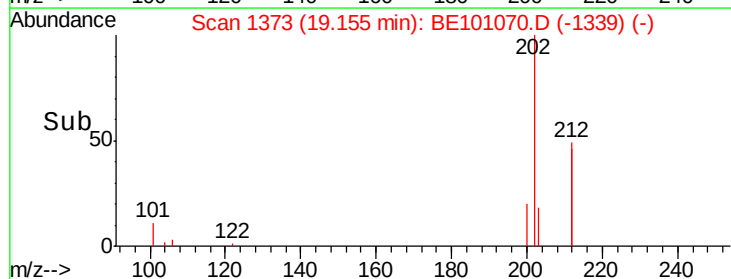
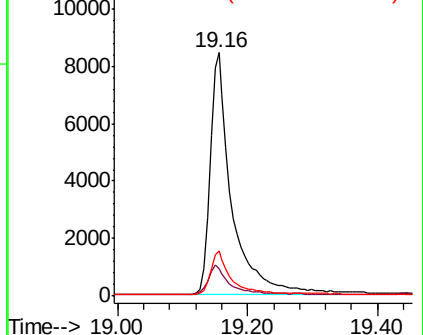
203 16.7 13.8 20.6

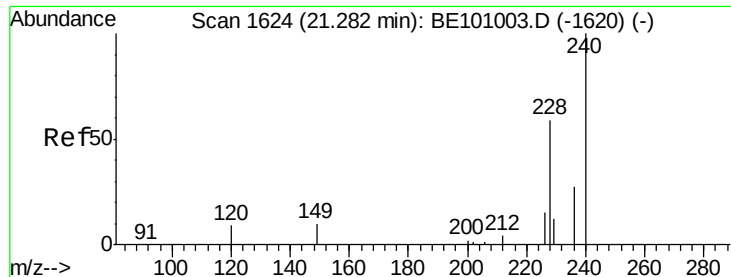


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.27 min Scan# 1622

Delta R.T. -0.01 min

Lab File: BE101070.D

Acq: 16 Jan 2020 10:37

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

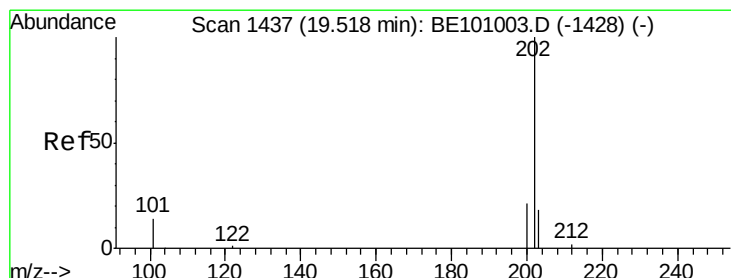
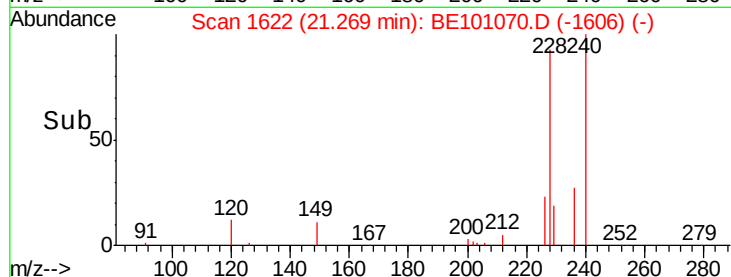
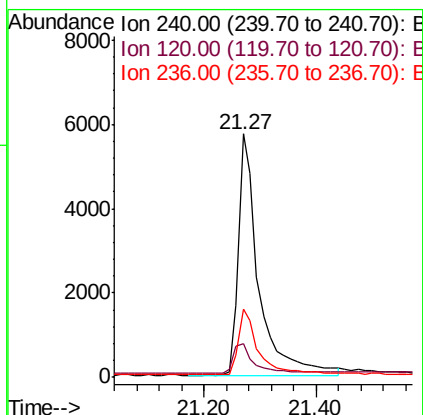
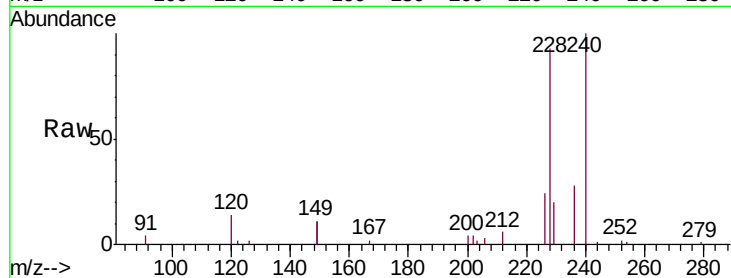
Tgt Ion:240 Resp: 14422

Ion Ratio Lower Upper

240 100

120 14.0 8.6 13.0#

236 28.2 22.2 33.4



#28

Pyrene

Concen: 0.378 ng

RT: 19.51 min Scan# 1435

Delta R.T. -0.01 min

Lab File: BE101070.D

Acq: 16 Jan 2020 10:37

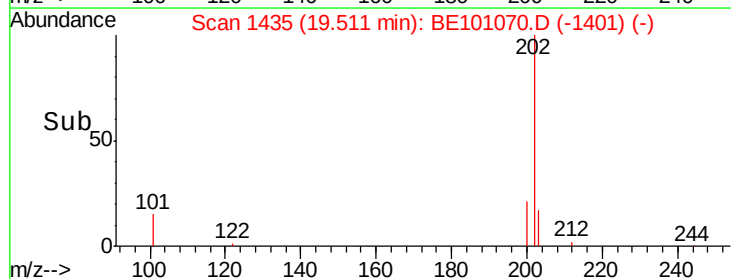
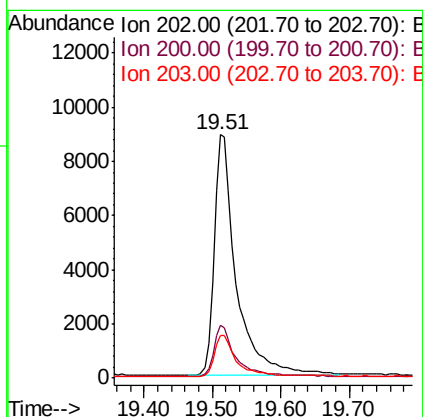
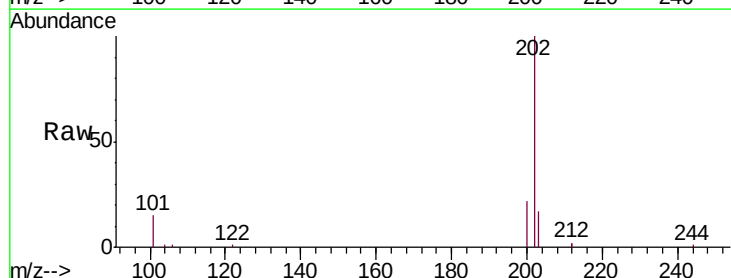
Tgt Ion:202 Resp: 20286

Ion Ratio Lower Upper

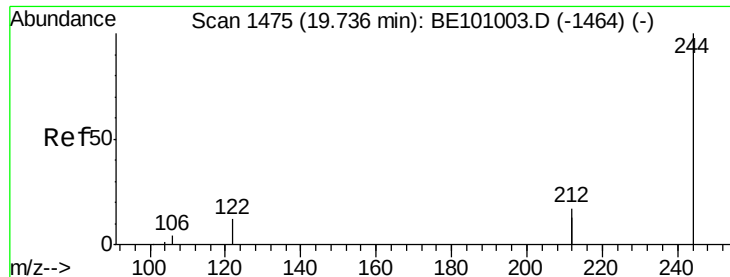
202 100

200 20.8 17.0 25.4

203 17.2 13.8 20.6



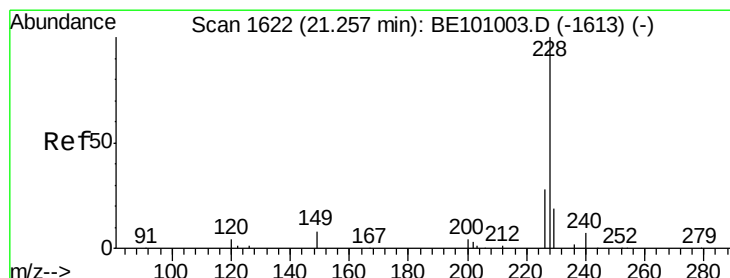
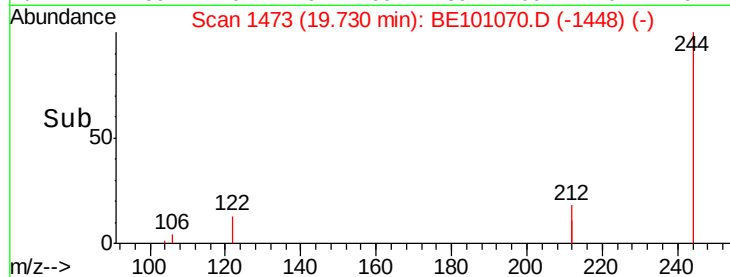
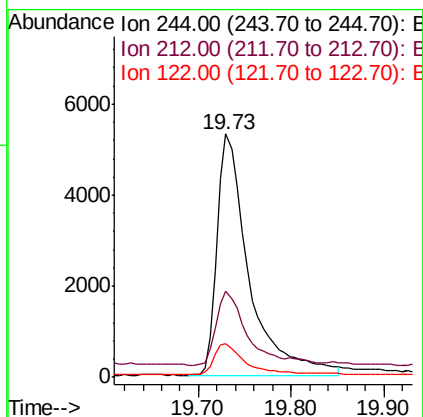
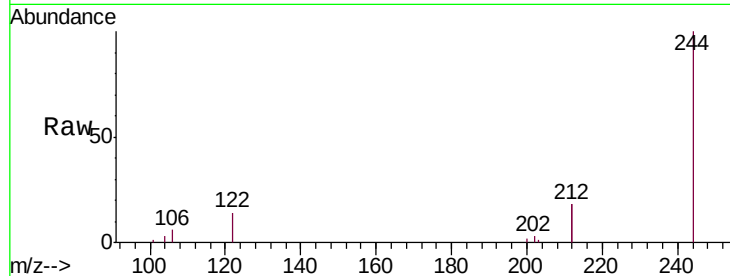




#29  
 Terphenyl-d14  
 Concen: 0.358 ng  
 RT: 19.73 min Scan# 1473  
 Delta R.T. -0.01 min  
 Lab File: BE101070.D  
 Acq: 16 Jan 2020 10:37

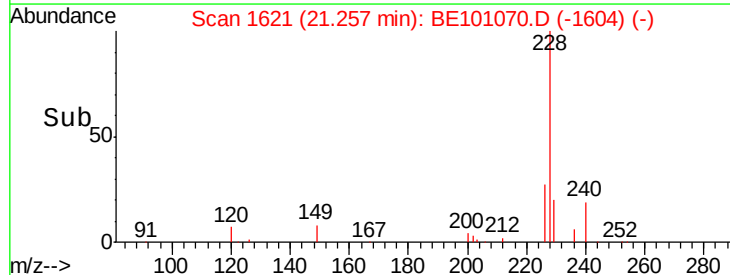
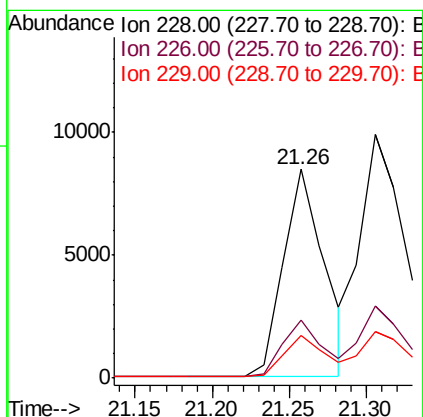
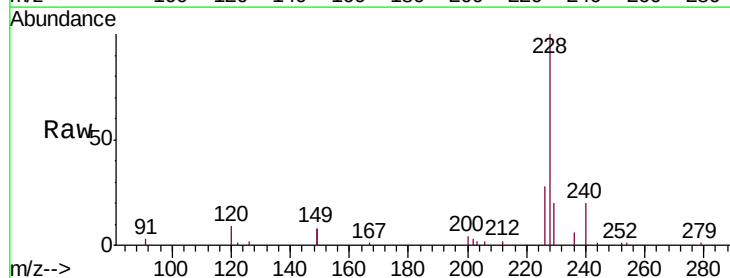
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

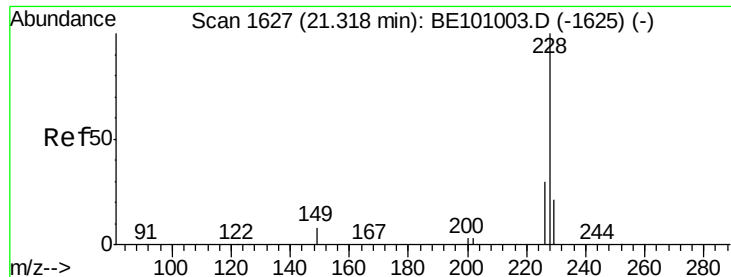
Tgt Ion:244 Resp: 12669  
 Ion Ratio Lower Upper  
 244 100  
 212 35.7 27.2 40.8  
 122 14.0 9.8 14.8



#30  
 Benzo(a)anthracene  
 Concen: 0.380 ng  
 RT: 21.26 min Scan# 1621  
 Delta R.T. -0.00 min  
 Lab File: BE101070.D  
 Acq: 16 Jan 2020 10:37

Tgt Ion:228 Resp: 15633  
 Ion Ratio Lower Upper  
 228 100  
 226 27.8 22.7 34.1  
 229 20.2 15.5 23.3





#31

Chrysene

Concen: 0.422 ng

RT: 21.31 min Scan# 1625

Delta R.T. -0.01 min

Lab File: BE101070.D

Acq: 16 Jan 2020 10:37

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

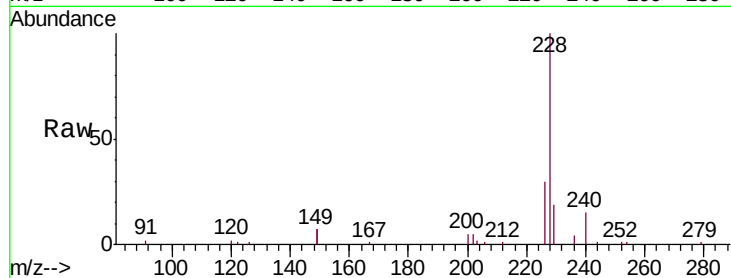
Tgt Ion:228 Resp: 25784

Ion Ratio Lower Upper

228 100

226 29.9 23.5 35.3

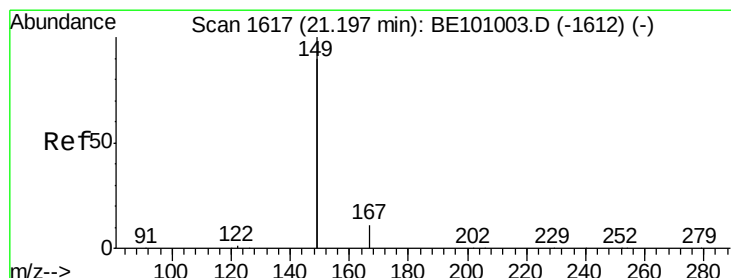
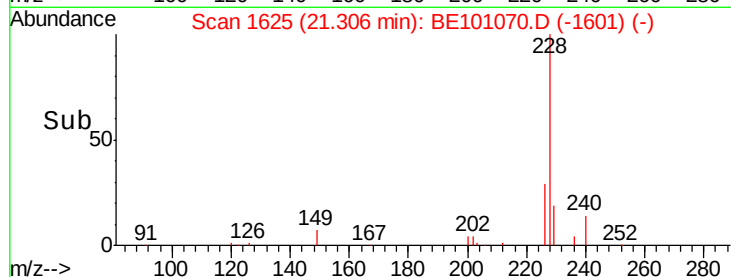
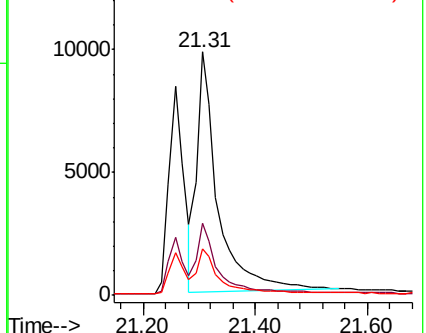
229 19.1 16.7 25.1



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: 0.426 ng

RT: 21.20 min Scan# 1616

Delta R.T. -0.00 min

Lab File: BE101070.D

Acq: 16 Jan 2020 10:37

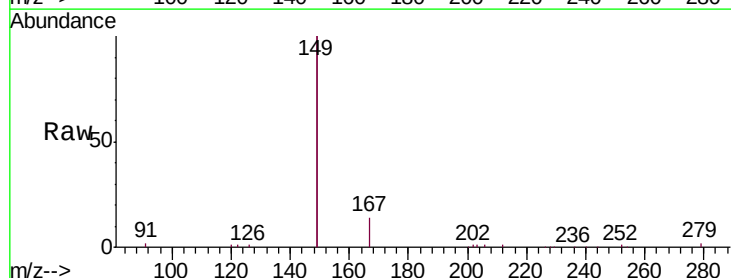
Tgt Ion:149 Resp: 29237

Ion Ratio Lower Upper

149 100

167 6.7 5.2 7.8

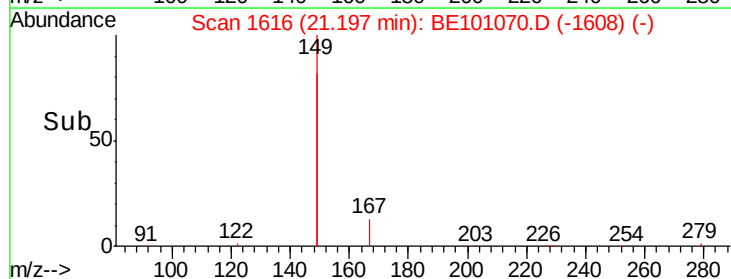
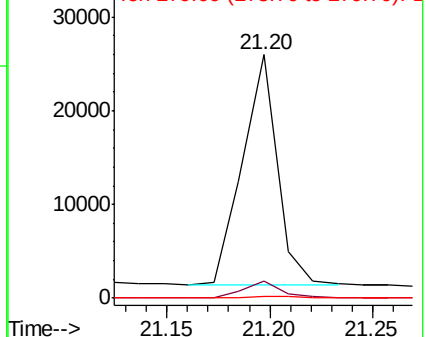
279 0.9 0.8 1.2

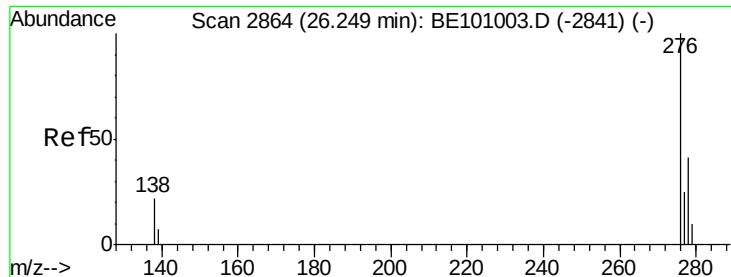


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.509 ng

RT: 26.24 min Scan# 2860

Delta R.T. -0.01 min

Lab File: BE101070.D

Acq: 16 Jan 2020 10:37

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

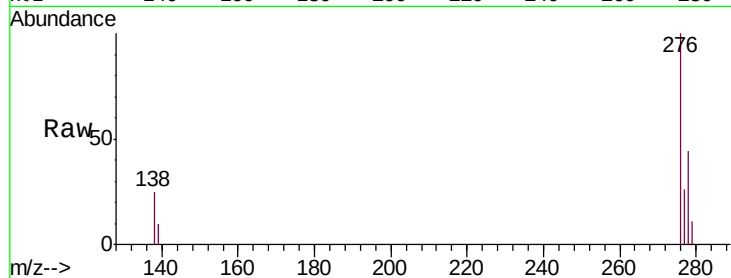
Tgt Ion:276 Resp: 24583

Ion Ratio Lower Upper

276 100

138 25.3 16.1 24.1#

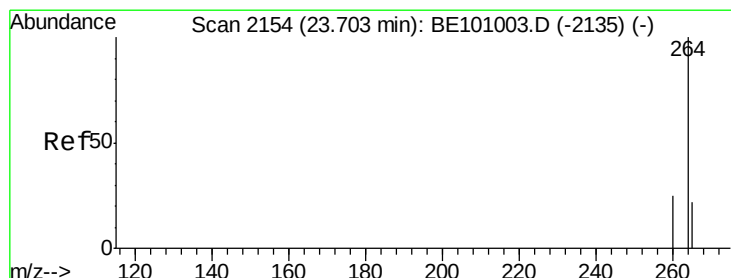
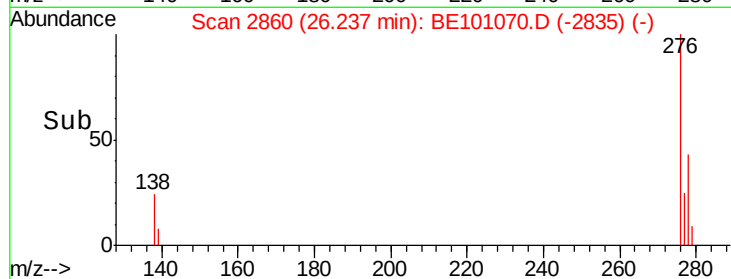
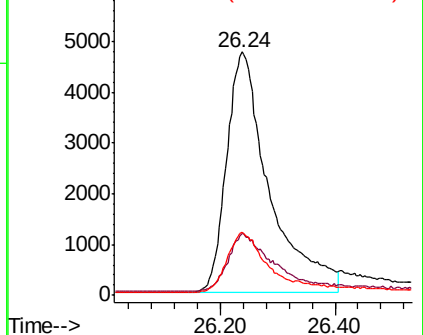
277 21.9 18.1 27.1



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: 23.69 min Scan# 2151

Delta R.T. -0.01 min

Lab File: BE101070.D

Acq: 16 Jan 2020 10:37

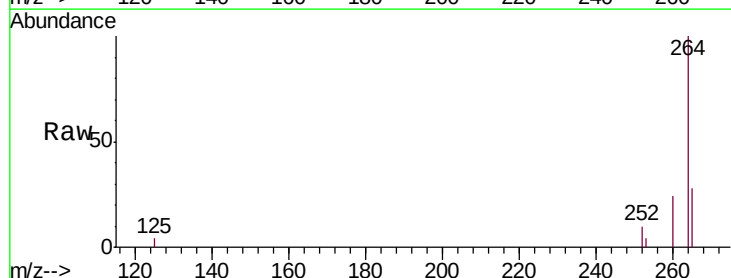
Tgt Ion:264 Resp: 19375

Ion Ratio Lower Upper

264 100

260 23.7 20.3 30.5

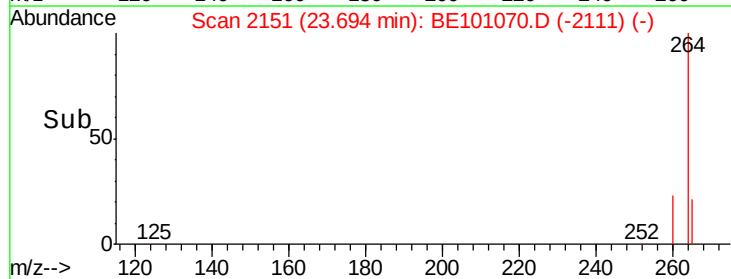
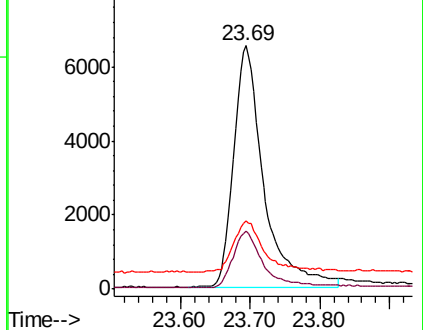
265 27.8 27.0 40.4

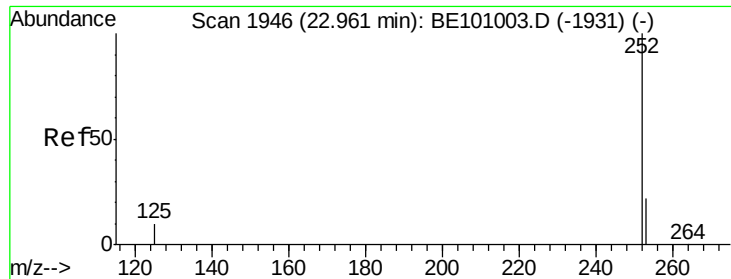


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.333 ng

RT: 22.95 min Scan# 1943

Delta R.T. -0.01 min

Lab File: BE101070.D

Acq: 16 Jan 2020 10:37

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

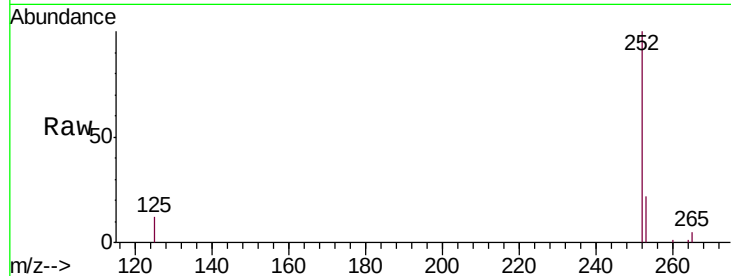
Tgt Ion:252 Resp: 18094

Ion Ratio Lower Upper

252 100

253 22.4 18.5 27.7

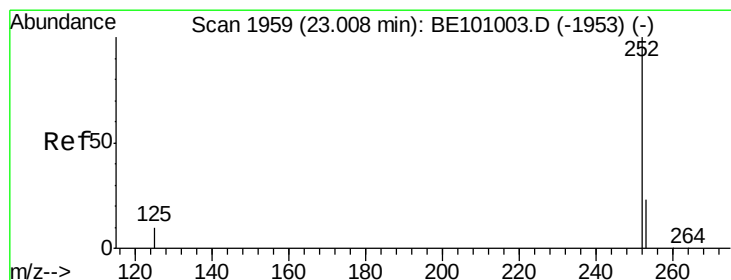
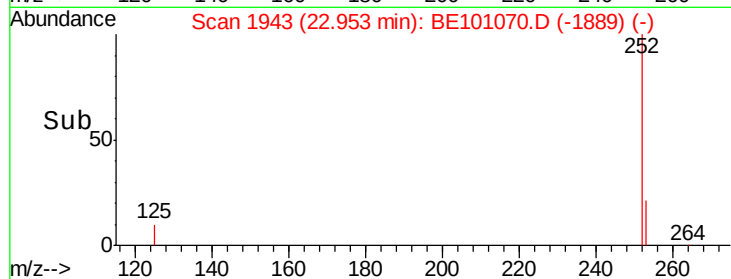
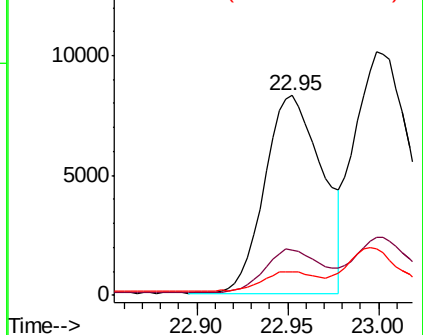
125 11.8 9.5 14.3



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



#36

Benzo(k)fluoranthene

Concen: 0.230 ng

RT: 22.95 min Scan# 1943

Delta R.T. -0.05 min

Lab File: BE101070.D

Acq: 16 Jan 2020 10:37

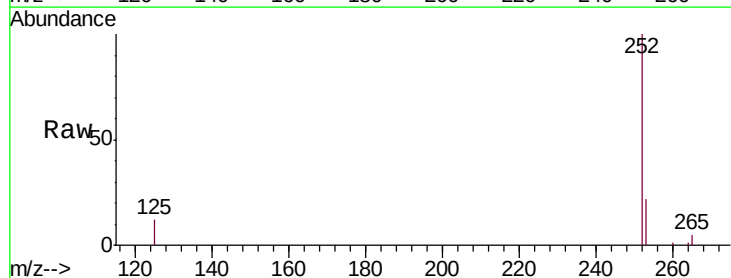
Tgt Ion:252 Resp: 18094

Ion Ratio Lower Upper

252 100

253 22.4 18.9 28.3

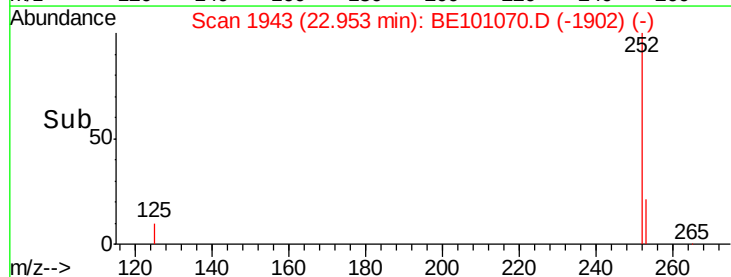
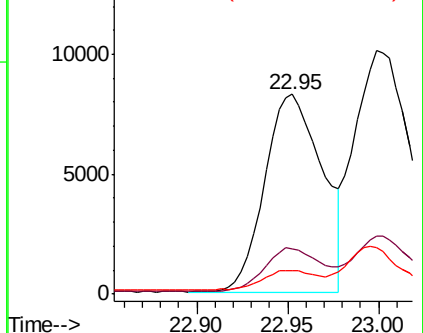
125 11.8 10.1 15.1

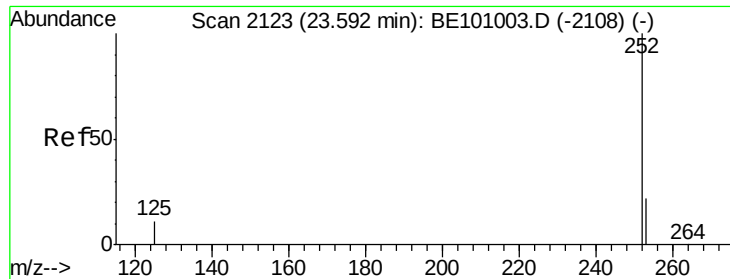


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.387 ng

RT: 23.58 min Scan# 2120

Delta R.T. -0.01 min

Lab File: BE101070.D

Acq: 16 Jan 2020 10:37

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

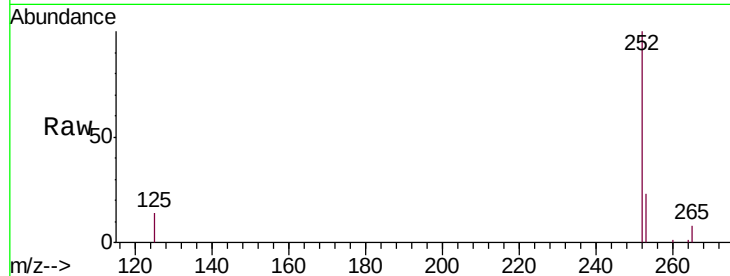
Tgt Ion:252 Resp: 20343

Ion Ratio Lower Upper

252 100

253 23.3 19.4 29.2

125 13.9 11.8 17.6

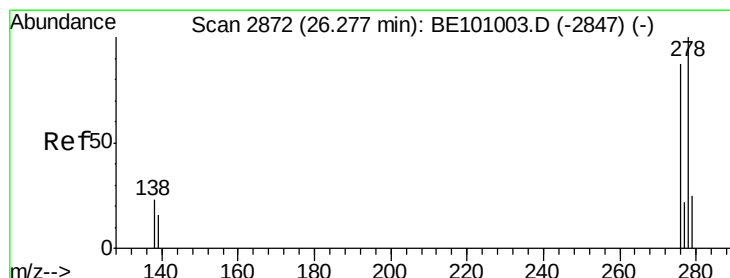
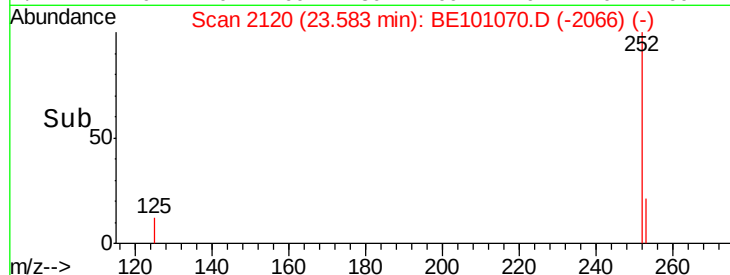
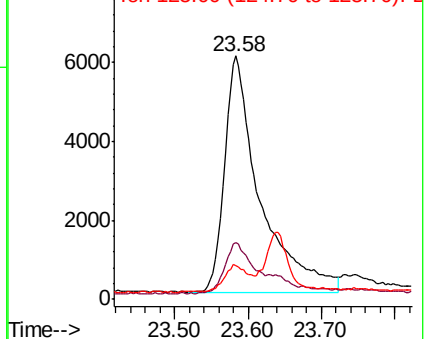


Abundance

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: 0.394 ng

RT: 26.26 min Scan# 2865

Delta R.T. -0.02 min

Lab File: BE101070.D

Acq: 16 Jan 2020 10:37

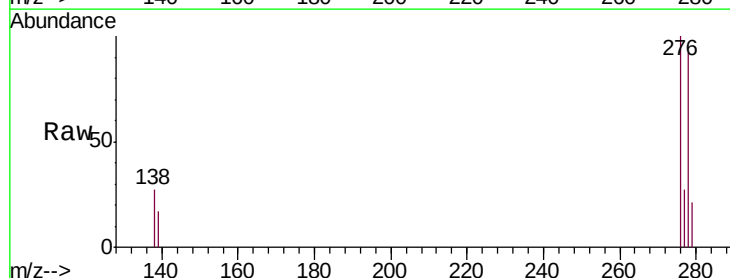
Tgt Ion:278 Resp: 19064

Ion Ratio Lower Upper

278 100

139 19.0 15.0 22.4

279 23.5 22.6 33.8

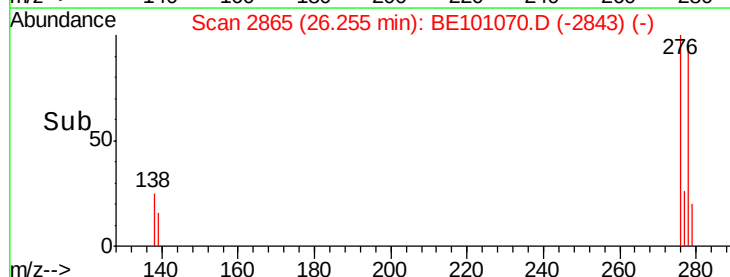
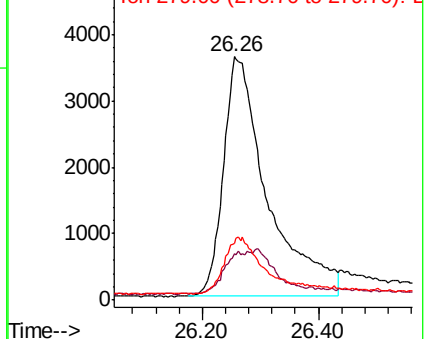


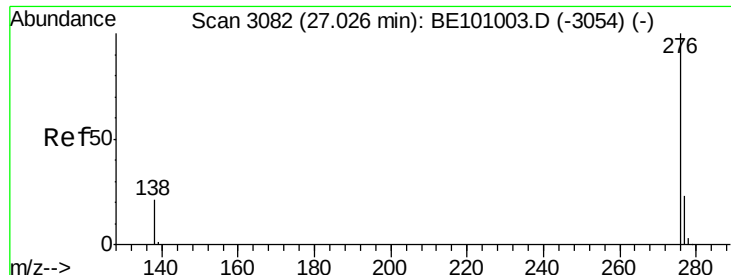
Abundance

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: 0.380 ng

RT: 27.01 min Scan# 3077

Delta R.T. -0.01 min

Lab File: BE101070.D

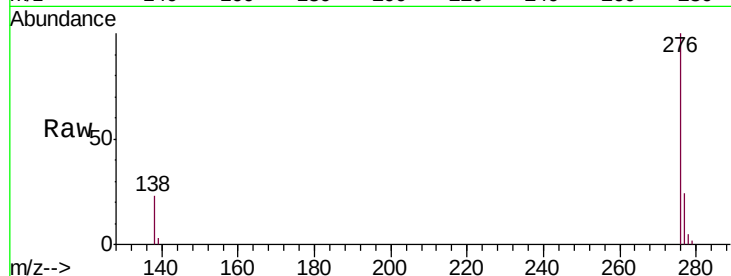
Acq: 16 Jan 2020 10:37

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4



Tgt Ion: 276 Resp: 22579

Ion Ratio Lower Upper

276 100

277 23.7 19.4 29.2

138 22.7 17.9 26.9

