

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011519\  
 Data File : BE098623.D  
 Acq On : 15 Jan 2019 12:08  
 Operator : SJ/JU  
 Sample : SSTDICCC0.4  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICCC0.4

Quant Time: Jan 15 13:09:09 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE011519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 15 12:58:38 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.80  | 152  | 1160     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.60 | 136  | 5325     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.47 | 164  | 3389     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.23 | 188  | 8269     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.41 | 240  | 9345     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.92 | 264  | 8872     | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| System Monitoring Compounds |       |     |       |      |    |      |
| 4) 2-Fluorophenol           | 5.40  | 112 | 1202  | 0.44 | ng | 0.00 |
| 5) Phenol-d6                | 7.00  | 99  | 1764  | 0.46 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.97  | 82  | 1633  | 0.34 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.21 | 152 | 3233  | 0.37 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.97 | 330 | 582   | 0.47 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 13.09 | 172 | 5065  | 0.35 | ng | 0.00 |
| 25) Fluoranthene-d10        | 19.26 | 212 | 37946 | 0.36 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.86 | 244 | 7564  | 0.33 | ng | 0.00 |

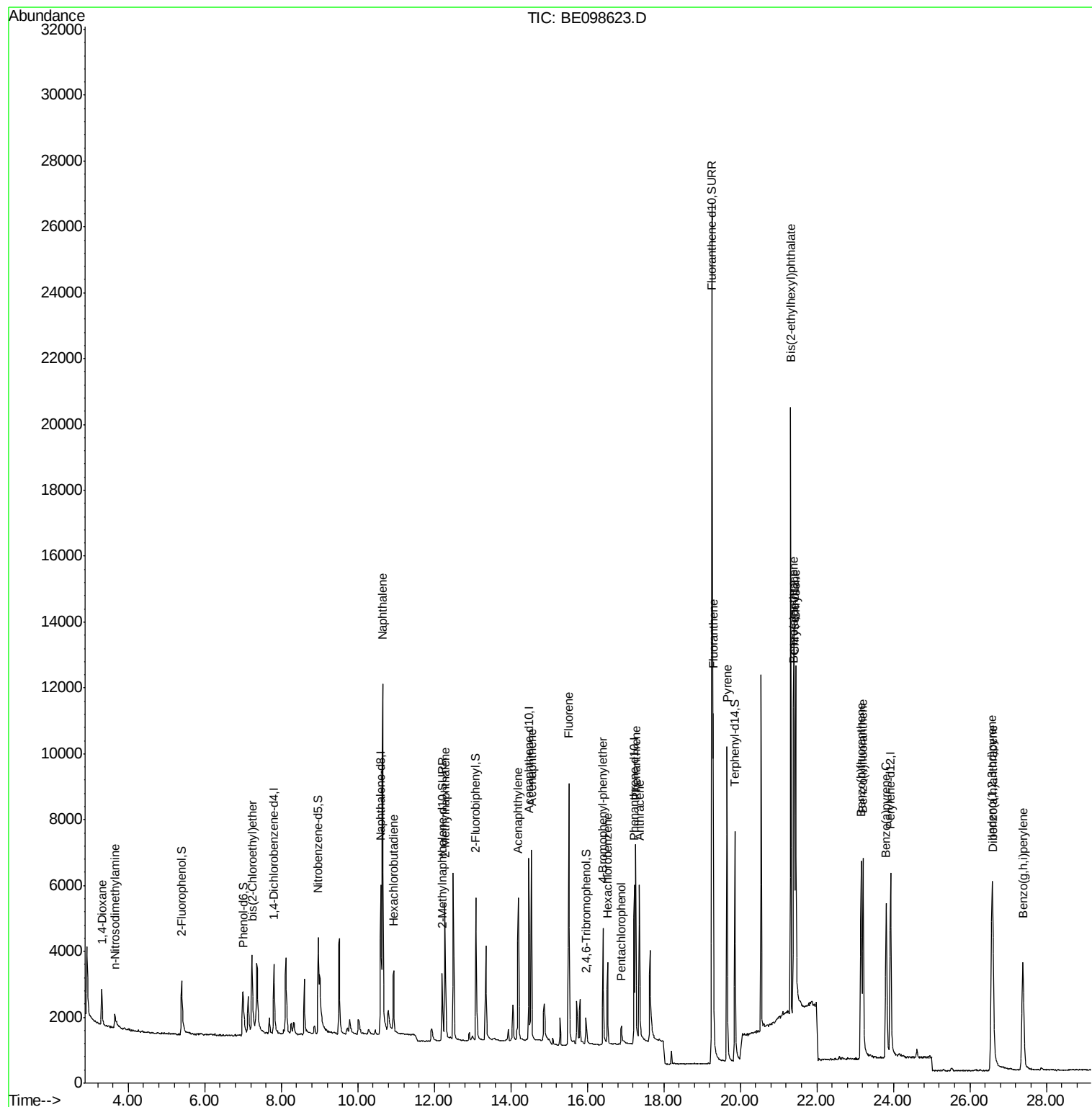
|                                |       |     |       |        |    |       |
|--------------------------------|-------|-----|-------|--------|----|-------|
| Target Compounds               |       |     |       | Qvalue |    |       |
| 2) 1,4-Dioxane                 | 3.31  | 88  | 789   | 0.393  | ng | 100   |
| 3) n-Nitrosodimethylamine      | 3.65  | 42  | 641   | 0.355  | ng | # 100 |
| 6) bis(2-Chloroethyl)ether     | 7.24  | 93  | 1229  | 0.336  | ng | 100   |
| 9) Naphthalene                 | 10.65 | 128 | 19933 | 0.372  | ng | 100   |
| 10) Hexachlorobutadiene        | 10.94 | 225 | 1437  | 0.421  | ng | 100   |
| 12) 2-Methylnaphthalene        | 12.28 | 142 | 3236  | 0.372  | ng | 100   |
| 16) Acenaphthylene             | 14.20 | 152 | 5487  | 0.346  | ng | 100   |
| 17) Acenaphthene               | 14.54 | 154 | 3544  | 0.372  | ng | 99    |
| 18) Fluorene                   | 15.52 | 166 | 4622  | 0.362  | ng | 100   |
| 20) 4-Bromophenyl-phenylether  | 16.41 | 248 | 1617  | 0.363  | ng | 100   |
| 21) Hexachlorobenzene          | 16.53 | 284 | 2016  | 0.421  | ng | 100   |
| 22) Pentachlorophenol          | 16.89 | 266 | 487   | 0.516  | ng | 100   |
| 23) Phenanthrene               | 17.27 | 178 | 7326  | 0.365  | ng | 100   |
| 24) Anthracene                 | 17.36 | 178 | 6067  | 0.339  | ng | 100   |
| 26) Fluoranthene               | 19.29 | 202 | 9311  | 0.350  | ng | 100   |
| 28) Pyrene                     | 19.65 | 202 | 9792  | 0.334  | ng | 100   |
| 30) Benzo(a)anthracene         | 21.39 | 228 | 9418  | 0.354  | ng | 100   |
| 31) Chrysene                   | 21.45 | 228 | 9781  | 0.351  | ng | 100   |
| 32) Bis(2-ethylhexyl)phthalate | 21.32 | 149 | 18829 | 0.348  | ng | 100   |
| 33) Indeno(1,2,3-cd)pyrene     | 26.57 | 276 | 10288 | 0.371  | ng | 100   |
| 35) Benzo(b)fluoranthene       | 23.15 | 252 | 9045  | 0.373  | ng | 100   |
| 36) Benzo(k)fluoranthene       | 23.20 | 252 | 10251 | 0.363  | ng | 100   |
| 37) Benzo(a)pyrene             | 23.81 | 252 | 9006  | 0.360  | ng | 100   |
| 38) Dibenzo(a,h)anthracene     | 26.60 | 278 | 7917  | 0.336  | ng | 100   |
| 39) Benzo(g,h,i)perylene       | 27.39 | 276 | 8905  | 0.375  | ng | 100   |

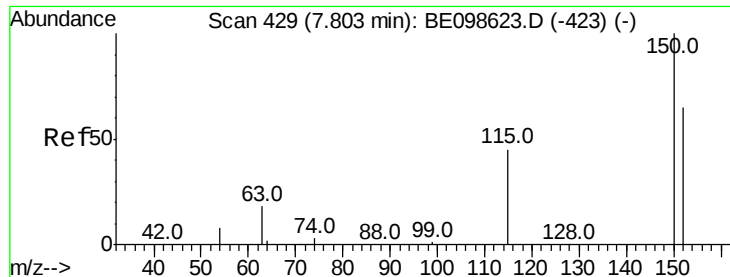
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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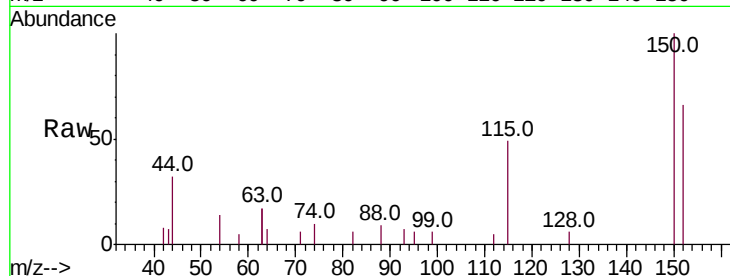


#1

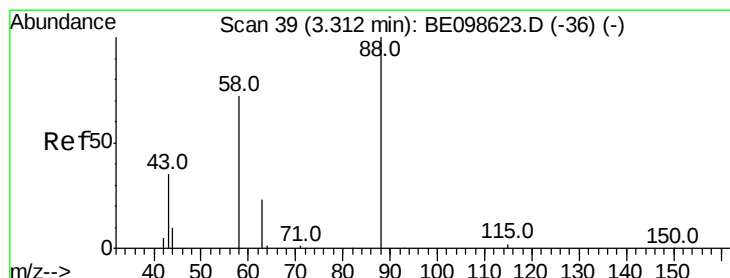
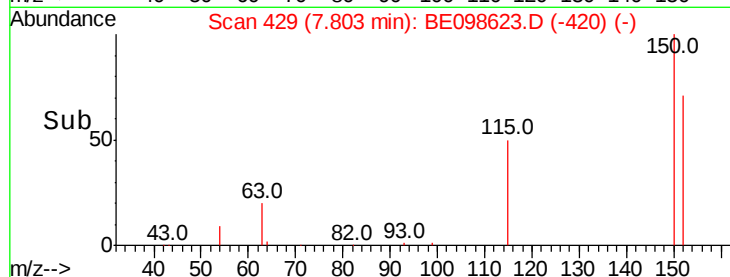
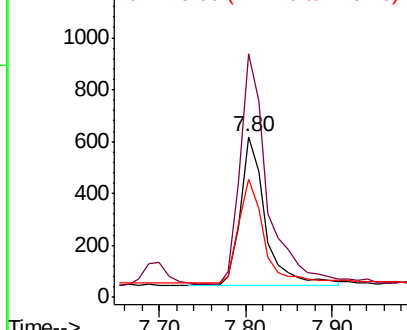
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.80 min Scan# 429  
Delta R.T. 0.00 min  
Lab File: BE098623.D  
Acq: 15 Jan 2019 12:08

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICCC0.4

Tot Ion:152 Resp: 1160  
Ion Ratio Lower Upper  
152 100  
150 151.8 121.4 182.2  
115 73.9 59.1 88.7



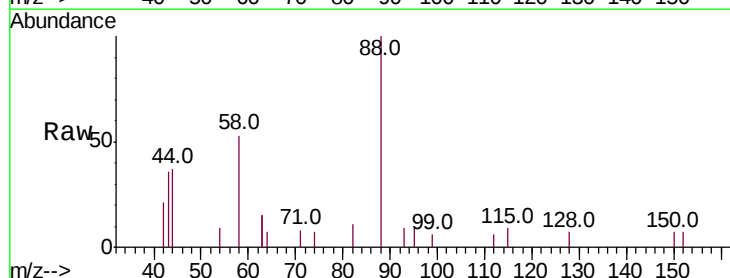
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



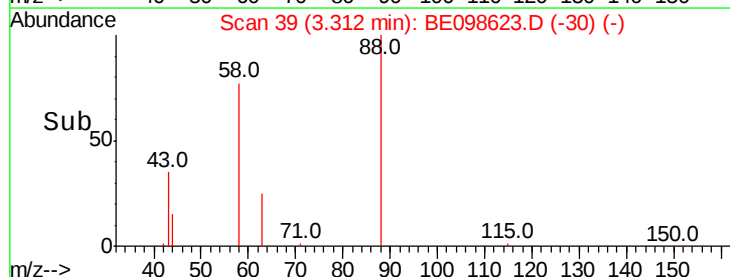
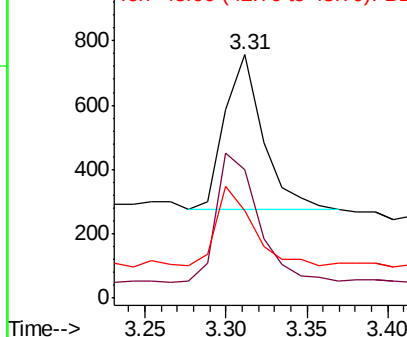
#2

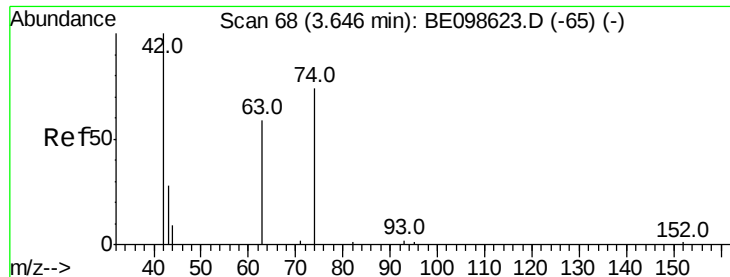
1,4-Dioxane  
Concen: 0.393 ng  
RT: 3.31 min Scan# 39  
Delta R.T. 0.00 min  
Lab File: BE098623.D  
Acq: 15 Jan 2019 12:08

Tgt Ion: 88 Resp: 789  
Ion Ratio Lower Upper  
88 100  
58 92.4 73.9 110.9  
43 54.6 43.7 65.5



Abundance Ion 88.00 (87.70 to 88.70): BE0  
Ion 58.00 (57.70 to 58.70): BE0  
Ion 43.00 (42.70 to 43.70): BE0

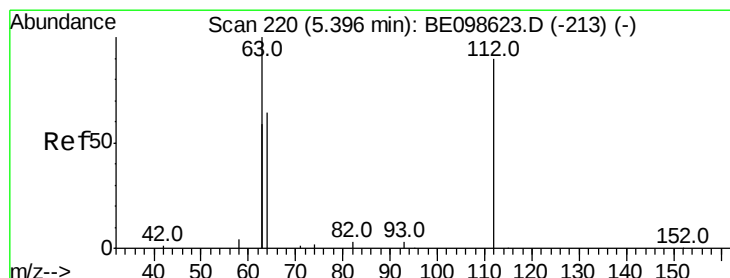
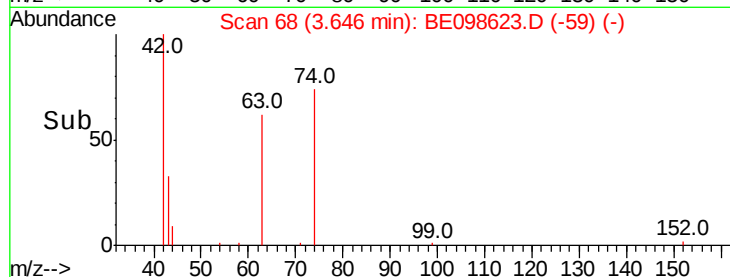
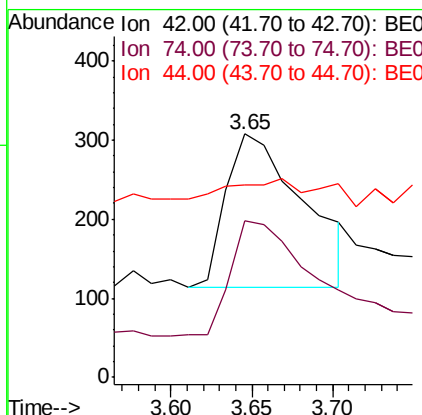
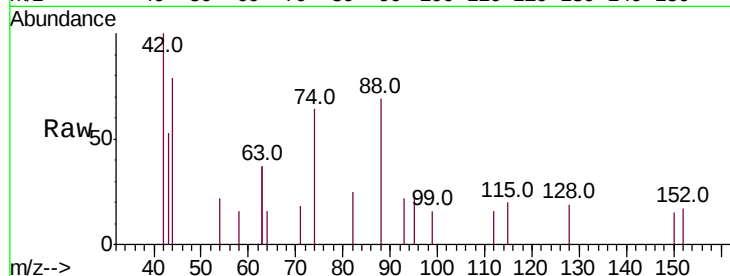




#3  
 n-Nitrosodimethylamine  
 Concen: 0.355 ng  
 RT: 3.65 min Scan# 68  
 Delta R.T. 0.00 min  
 Lab File: BE098623.D  
 Acq: 15 Jan 2019 12:08

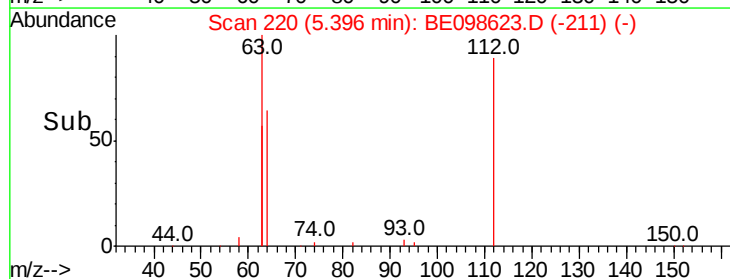
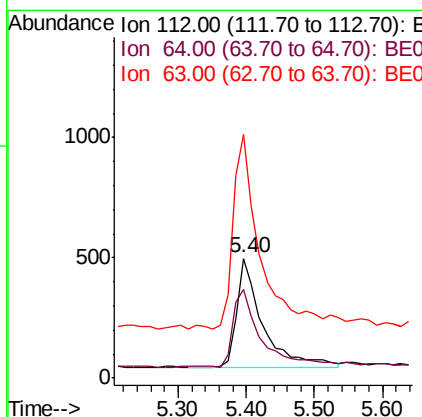
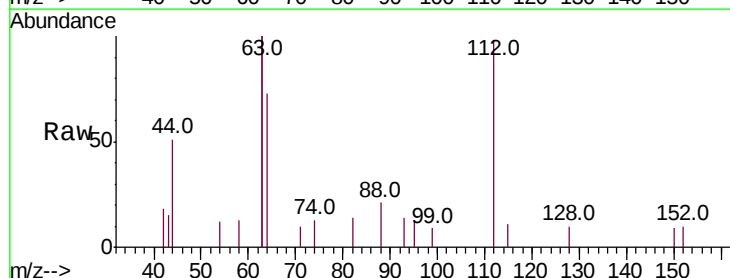
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.4

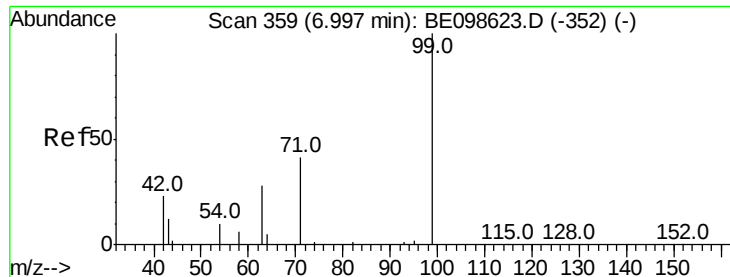
Tot Ion: 42 Resp: 641  
 Ion Ratio Lower Upper  
 42 100  
 74 73.3 58.9 88.3  
 44 0.0 0.0 0.0



#4  
 2-Fluorophenol  
 Concen: 0.443 ng  
 RT: 5.40 min Scan# 220  
 Delta R.T. 0.00 min  
 Lab File: BE098623.D  
 Acq: 15 Jan 2019 12:08

Tgt Ion: 112 Resp: 1202  
 Ion Ratio Lower Upper  
 112 100  
 64 78.6 62.9 94.3  
 63 190.3 152.2 228.4





#5

Phenol-d6

Concen: 0.459 ng

RT: 7.00 min Scan# 359

Delta R.T. 0.00 min

Lab File: BE098623.D

Acq: 15 Jan 2019 12:08

Instrument :

BNA\_E

ClientSampleId :

SSTDICCC0.4

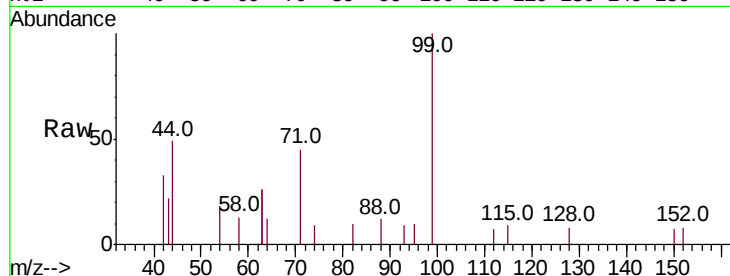
Tot Ion: 99 Resp: 1764

Ion Ratio Lower Upper

99 100

42 30.8 24.6 37.0

71 43.9 35.1 52.7



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

7.00

600

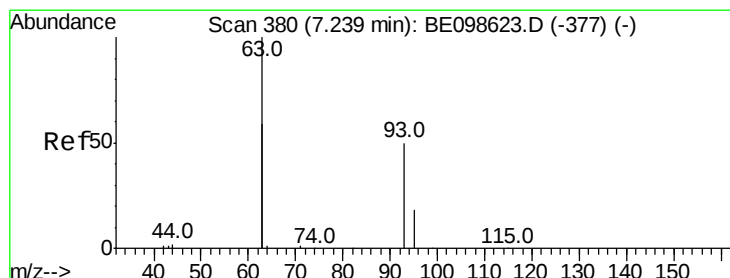
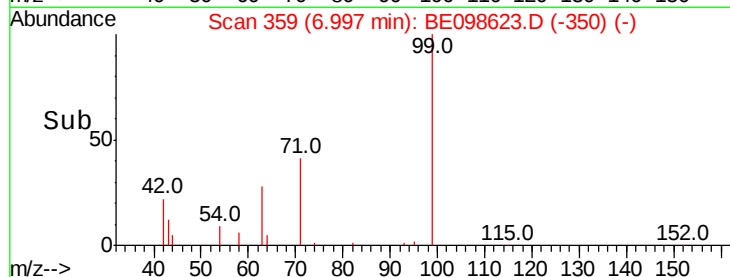
400

200

0

6.80 7.00 7.20

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.336 ng

RT: 7.24 min Scan# 380

Delta R.T. 0.00 min

Lab File: BE098623.D

Acq: 15 Jan 2019 12:08

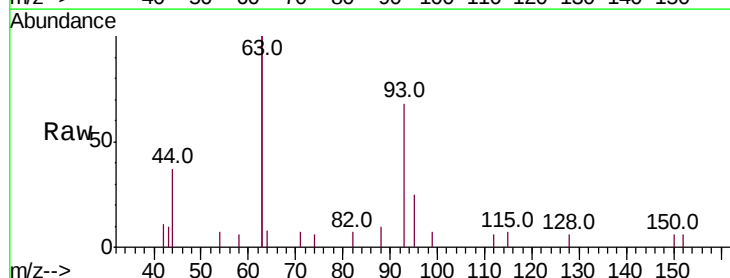
Tgt Ion: 93 Resp: 1229

Ion Ratio Lower Upper

93 100

63 334.1 267.3 400.9

95 32.8 26.2 39.4



Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0

7.24

2500

2000

1500

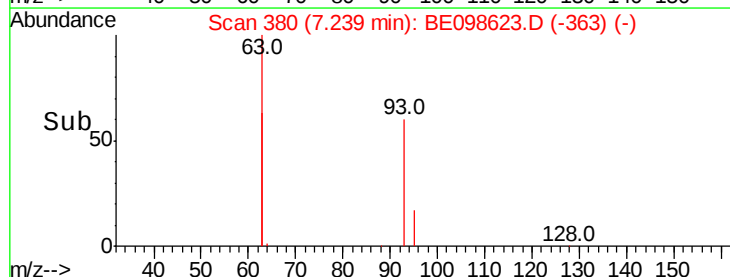
1000

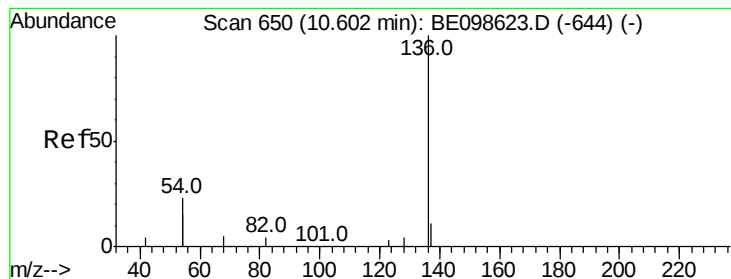
500

0

7.20 7.30 7.40

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 650

Delta R.T. 0.00 min

Lab File: BE098623.D

Acq: 15 Jan 2019 12:08

Instrument :

BNA\_E

ClientSampleId :

SSTDICCC0.4

Tot Ion:136 Resp: 5325

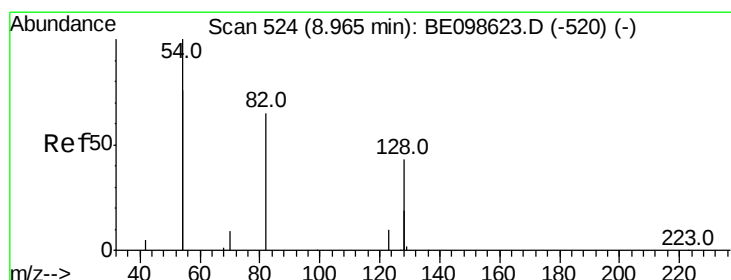
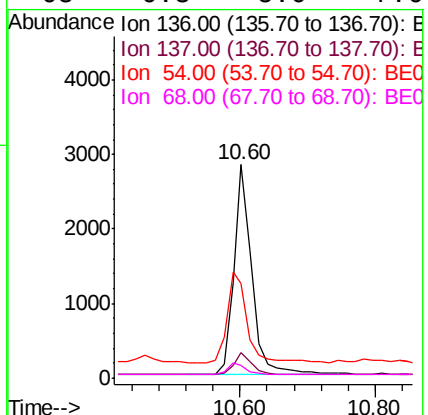
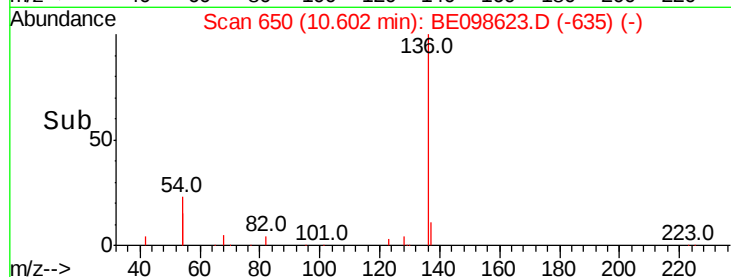
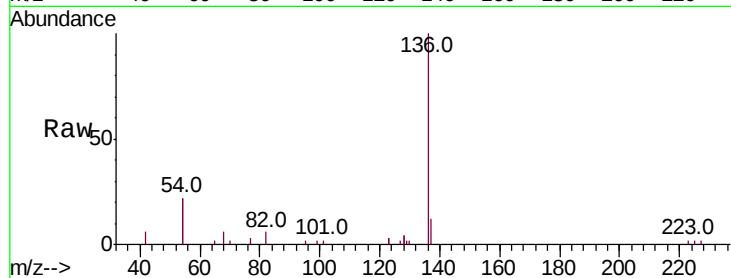
Ion Ratio Lower Upper

136 100

137 12.1 9.7 14.5

54 44.4 35.5 53.3

68 6.3 5.0 7.6



#8

Nitrobenzene-d5

Concen: 0.337 ng

RT: 8.97 min Scan# 524

Delta R.T. 0.00 min

Lab File: BE098623.D

Acq: 15 Jan 2019 12:08

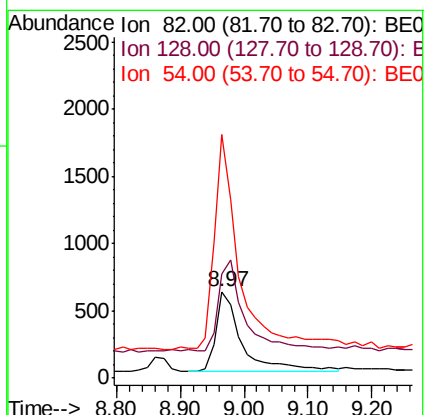
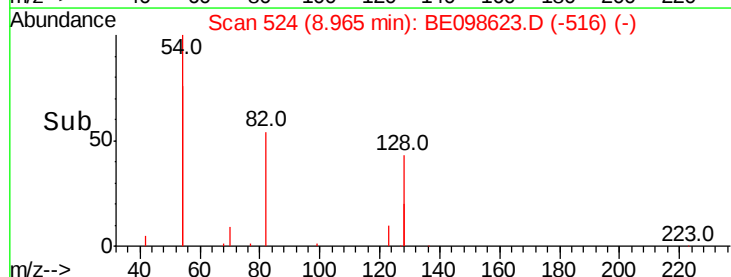
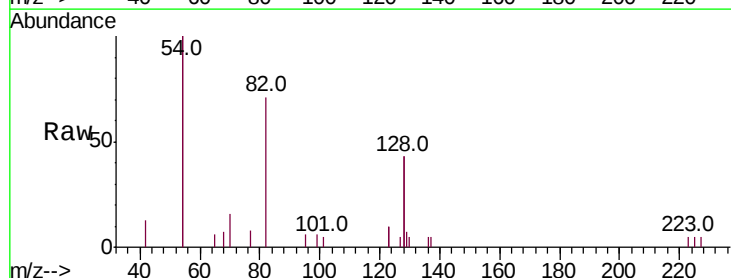
Tgt Ion: 82 Resp: 1633

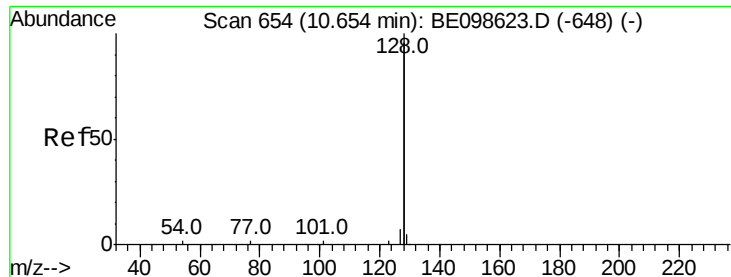
Ion Ratio Lower Upper

82 100

128 120.6 96.5 144.7

54 280.9 224.7 337.1





#9

Naphthalene

Concen: 0.372 ng

RT: 10.65 min Scan# 654

Delta R.T. 0.00 min

Lab File: BE098623.D

Acq: 15 Jan 2019 12:08

Instrument :

BNA\_E

ClientSampleId :

SSTDICCC0.4

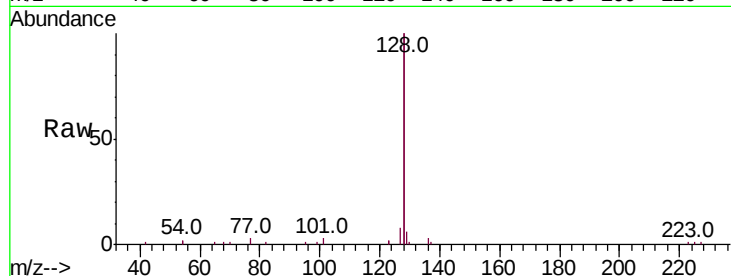
Tot Ion:128 Resp: 19933

Ion Ratio Lower Upper

128 100

129 3.2 2.6 3.8

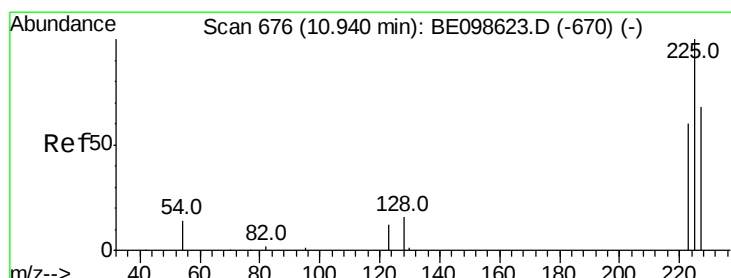
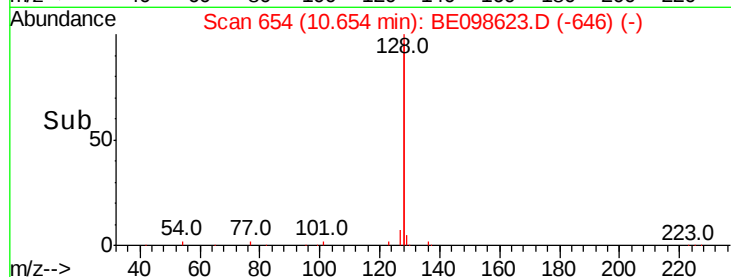
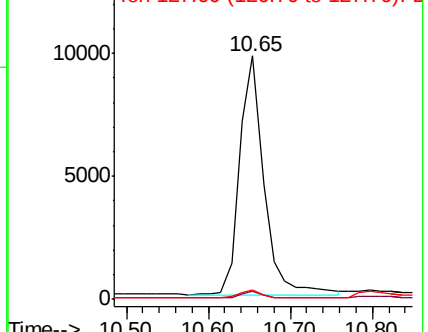
127 3.8 3.0 4.6



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: 0.421 ng

RT: 10.94 min Scan# 676

Delta R.T. 0.00 min

Lab File: BE098623.D

Acq: 15 Jan 2019 12:08

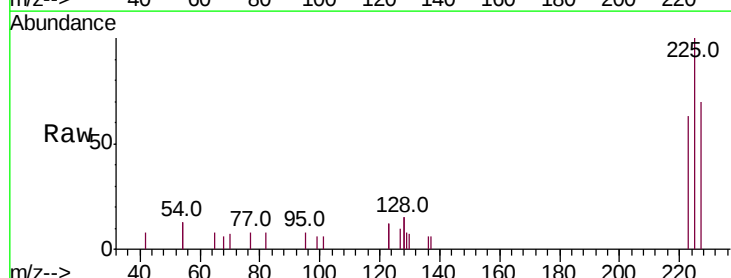
Tgt Ion:225 Resp: 1437

Ion Ratio Lower Upper

225 100

223 59.6 47.8 71.8

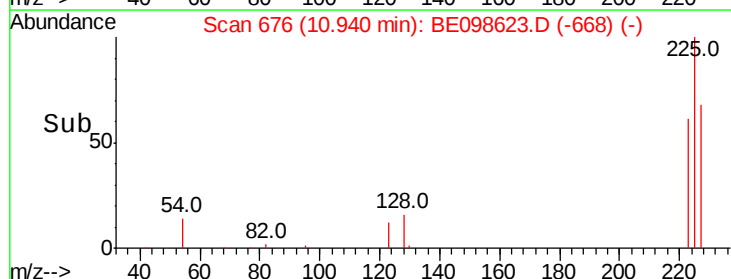
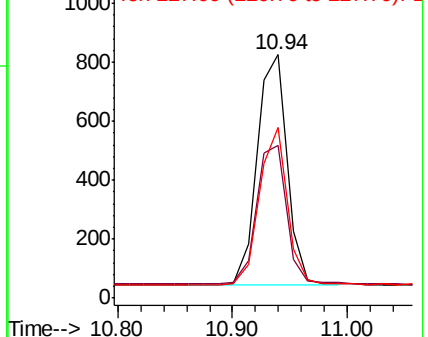
227 62.8 50.5 75.7

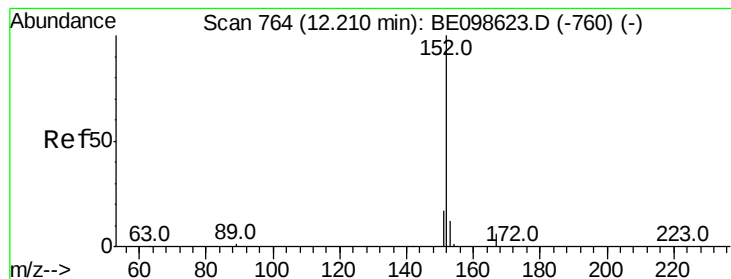


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.373 ng

RT: 12.21 min Scan# 764

Delta R.T. 0.00 min

Lab File: BE098623.D

Acq: 15 Jan 2019 12:08

Instrument :

BNA\_E

ClientSampleId :

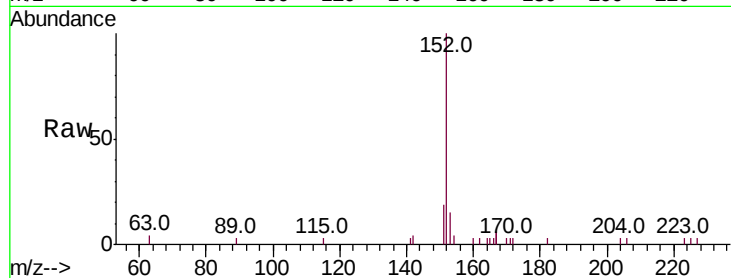
SSTDICCC0.4

Tot Ion:152 Resp: 3233

Ion Ratio Lower Upper

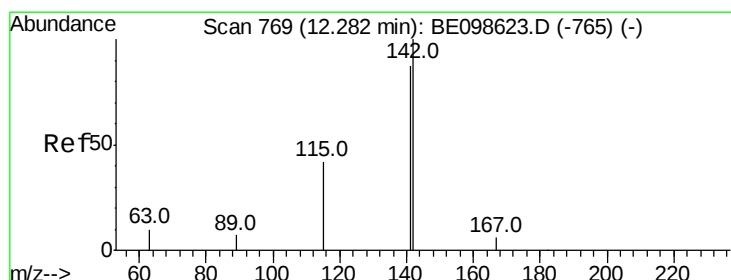
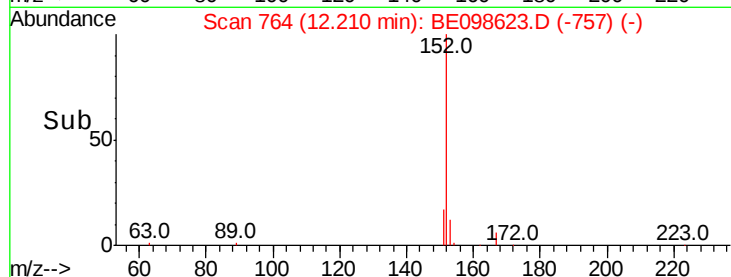
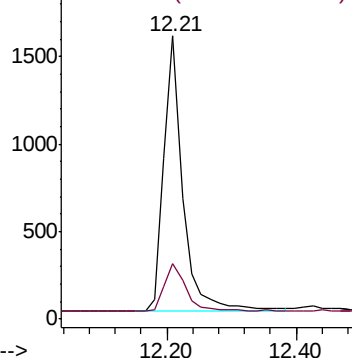
152 100

151 20.3 16.2 24.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.372 ng

RT: 12.28 min Scan# 769

Delta R.T. 0.00 min

Lab File: BE098623.D

Acq: 15 Jan 2019 12:08

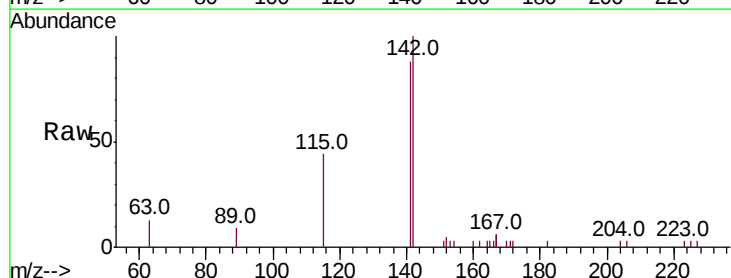
Tgt Ion:142 Resp: 3236

Ion Ratio Lower Upper

142 100

141 87.5 70.0 105.0

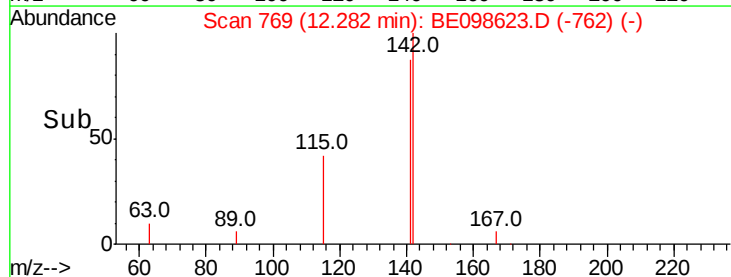
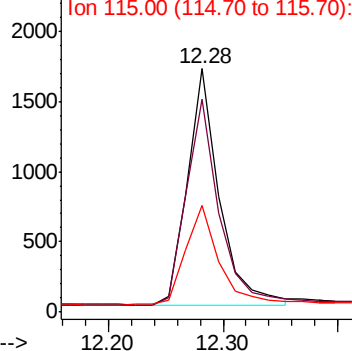
115 44.0 35.2 52.8

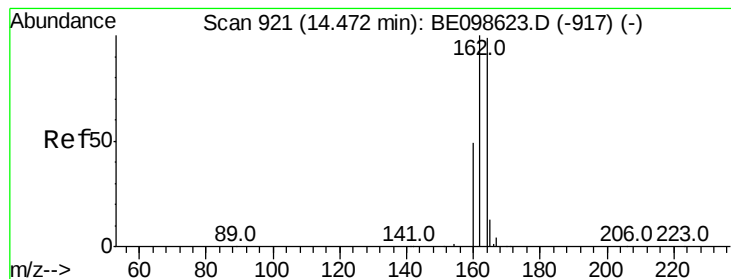


Abundance Ion 142.00 (141.70 to 142.70): E

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: 14.47 min Scan# 921

Delta R.T. 0.00 min

Lab File: BE098623.D

Acq: 15 Jan 2019 12:08

Instrument :

BNA\_E

ClientSampleId :

SSTDICCC0.4

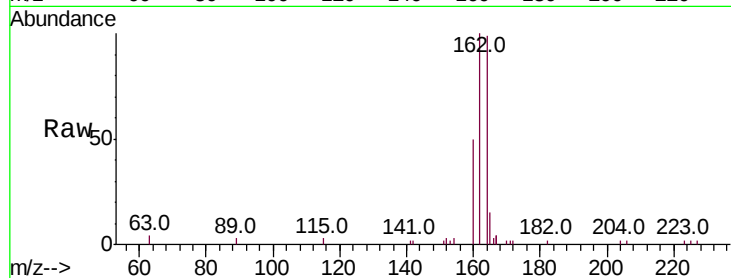
Tot Ion:164 Resp: 3389

Ion Ratio Lower Upper

164 100

162 100.6 80.5 120.7

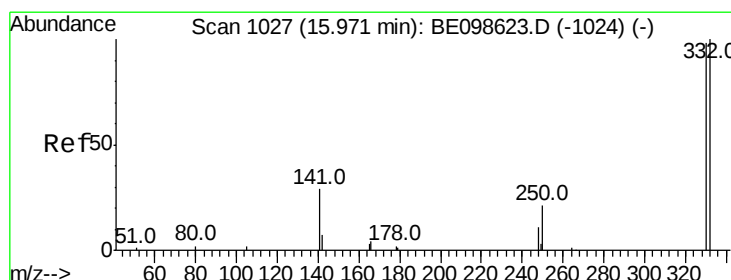
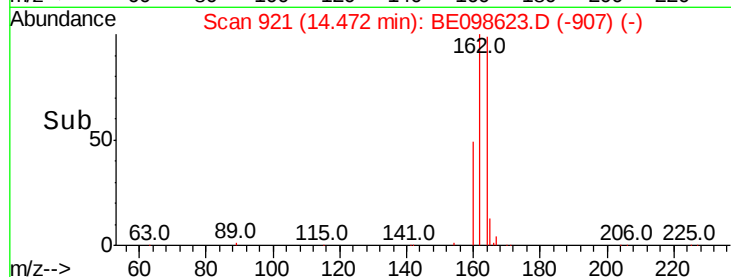
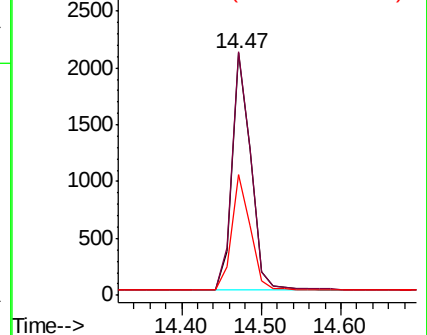
160 50.1 40.1 60.1



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.468 ng

RT: 15.97 min Scan# 1027

Delta R.T. 0.00 min

Lab File: BE098623.D

Acq: 15 Jan 2019 12:08

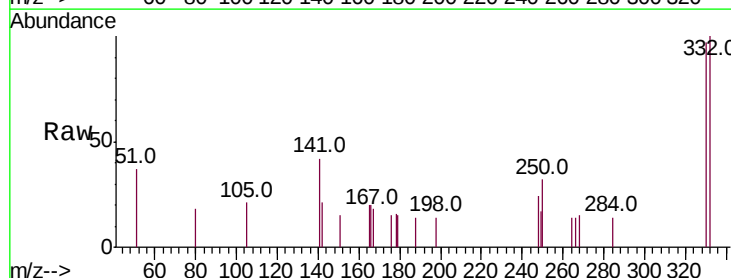
Tgt Ion:330 Resp: 582

Ion Ratio Lower Upper

330 100

332 91.6 73.3 109.9

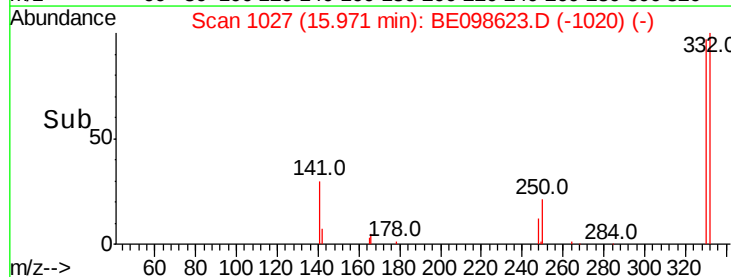
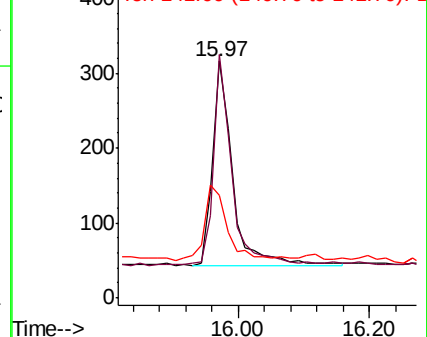
141 41.4 33.1 49.7

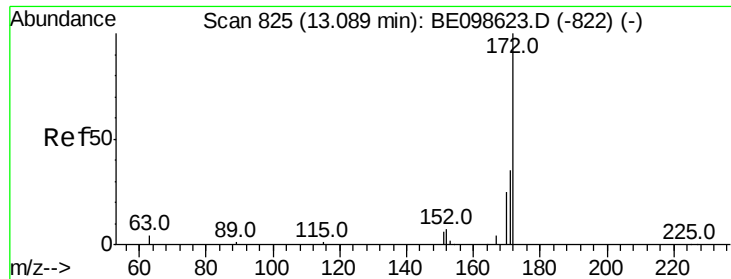


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

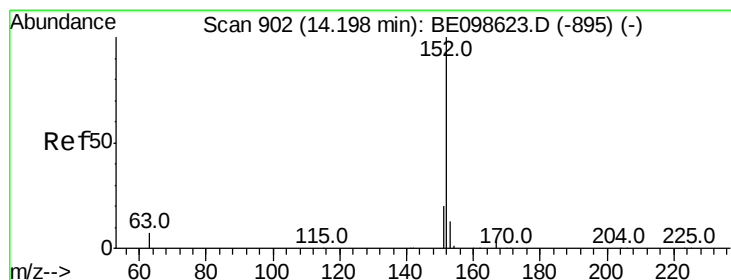
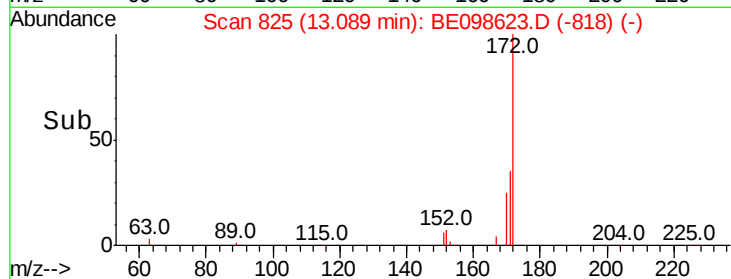
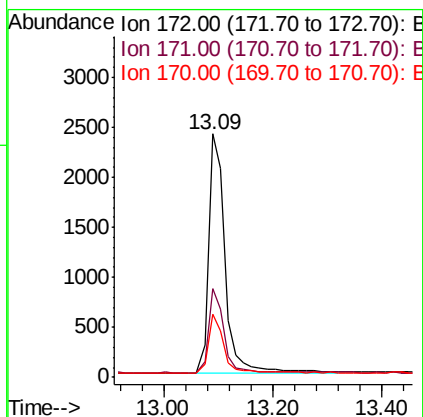
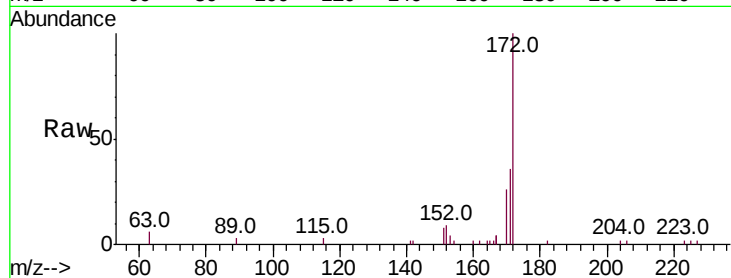




#15  
2-Fluorobiphenyl  
Concen: 0.354 ng  
RT: 13.09 min Scan# 825  
Delta R.T. 0.00 min  
Lab File: BE098623.D  
Acq: 15 Jan 2019 12:08

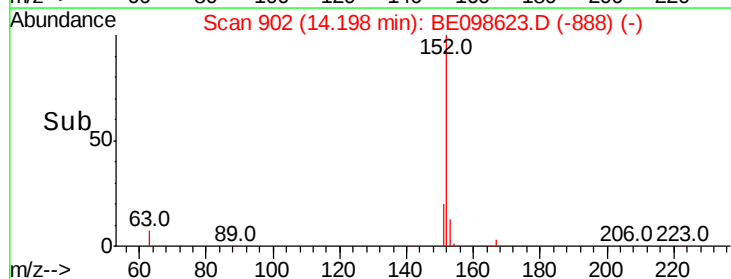
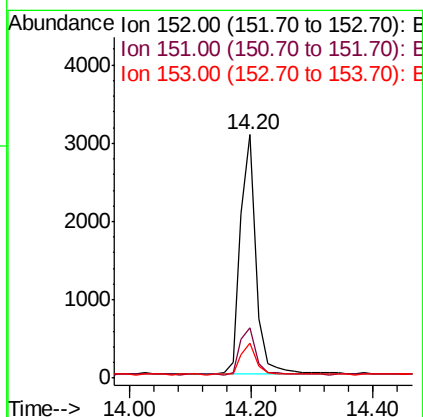
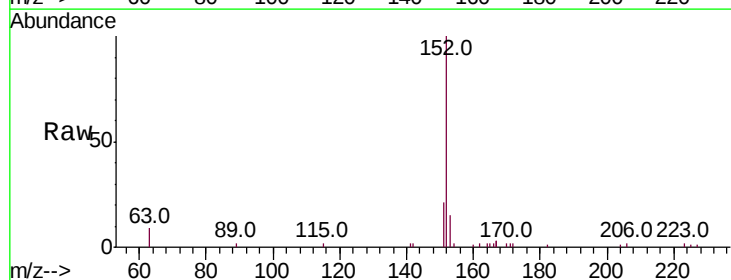
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICCC0.4

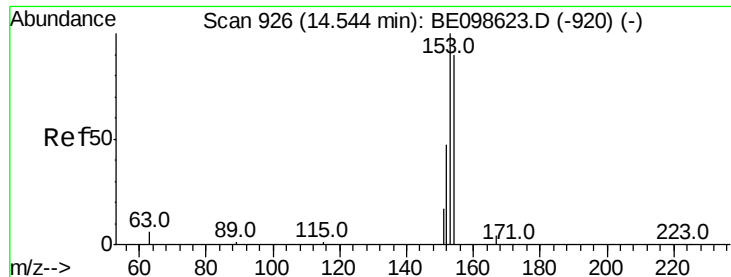
Tot Ion:172 Resp: 5065  
Ion Ratio Lower Upper  
172 100  
171 36.2 29.0 43.4  
170 26.0 20.8 31.2



#16  
Acenaphthylene  
Concen: 0.346 ng  
RT: 14.20 min Scan# 902  
Delta R.T. 0.00 min  
Lab File: BE098623.D  
Acq: 15 Jan 2019 12:08

Tgt Ion:152 Resp: 5487  
Ion Ratio Lower Upper  
152 100  
151 20.3 16.3 24.5  
153 13.4 10.7 16.1

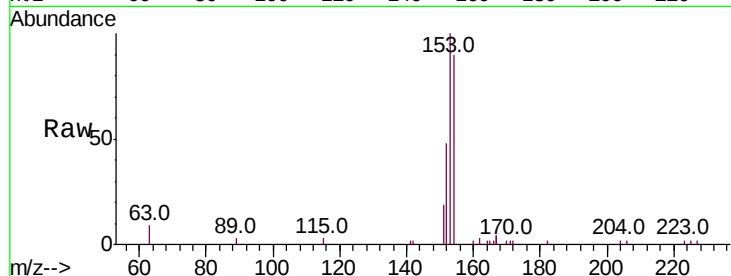




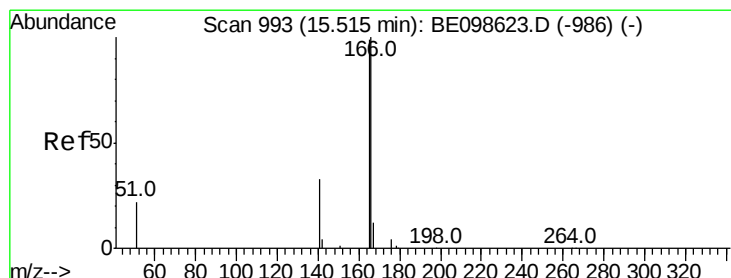
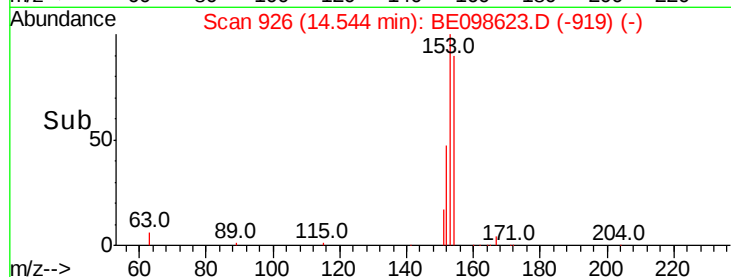
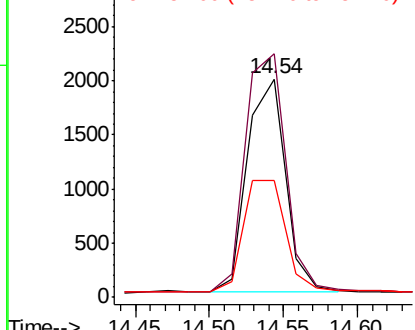
#17  
Acenaphthene  
Concen: 0.372 ng  
RT: 14.54 min Scan# 926  
Delta R.T. 0.00 min  
Lab File: BE098623.D  
Acq: 15 Jan 2019 12:08

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICCC0.4

Tot Ion:154 Resp: 3544  
Ion Ratio Lower Upper  
154 100  
153 118.5 93.9 140.9  
152 57.8 45.8 68.8

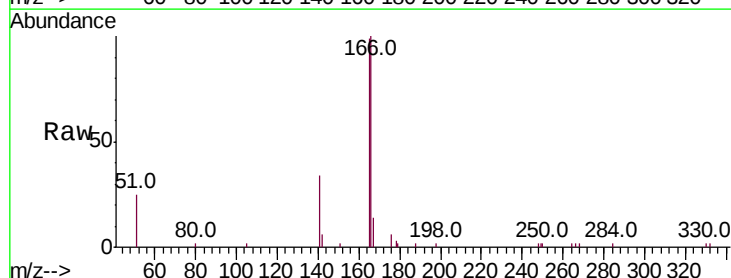


Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E

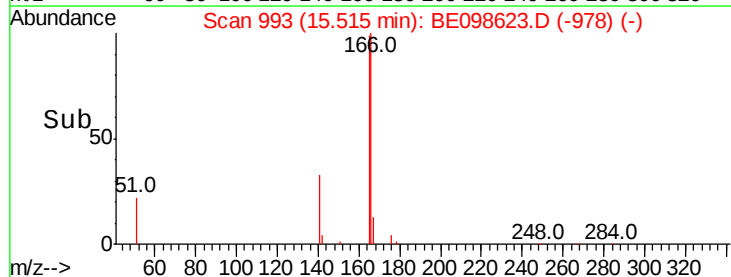
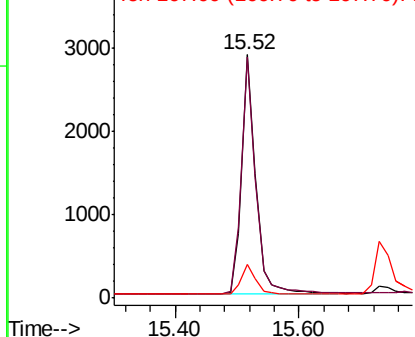


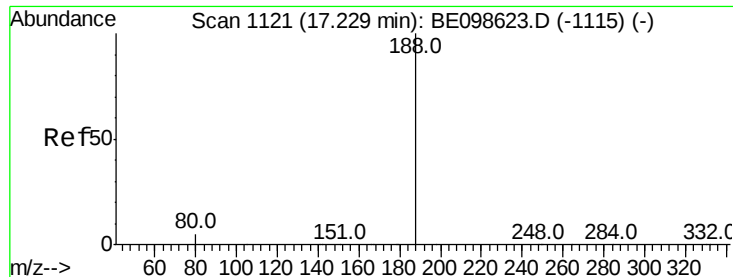
#18  
Fluorene  
Concen: 0.362 ng  
RT: 15.52 min Scan# 993  
Delta R.T. 0.00 min  
Lab File: BE098623.D  
Acq: 15 Jan 2019 12:08

Tgt Ion:166 Resp: 4622  
Ion Ratio Lower Upper  
166 100  
165 99.1 79.3 118.9  
167 13.2 10.6 15.8



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: 17.23 min Scan# 1121

Delta R.T. 0.00 min

Lab File: BE098623.D

Acq: 15 Jan 2019 12:08

Instrument :

BNA\_E

ClientSampleId :

SSTDICCC0.4

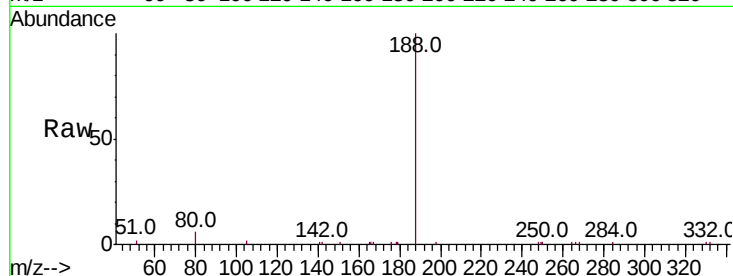
Tot Ion:188 Resp: 8269

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

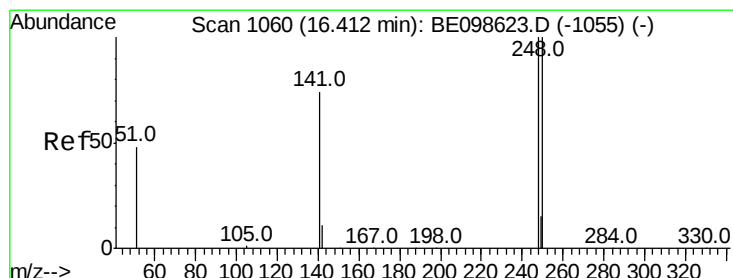
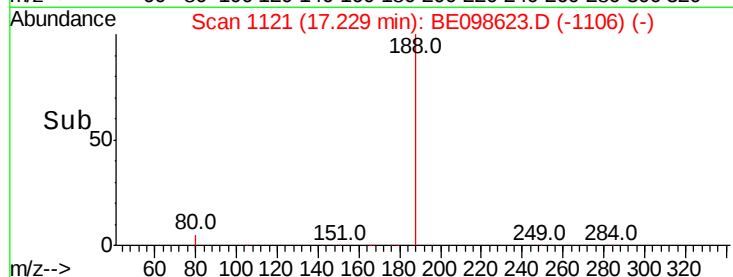
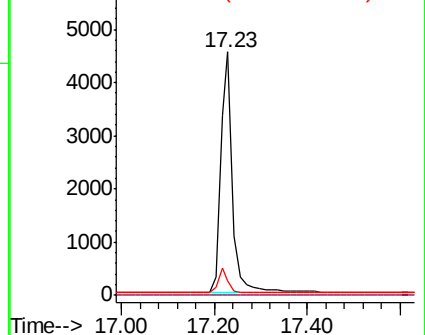
80 5.9 4.7 7.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.363 ng

RT: 16.41 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BE098623.D

Acq: 15 Jan 2019 12:08

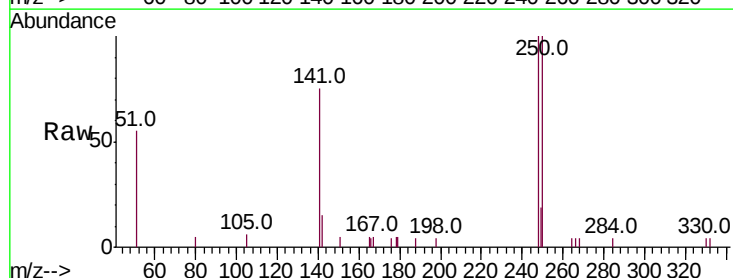
Tgt Ion:248 Resp: 1617

Ion Ratio Lower Upper

248 100

250 100.3 80.2 120.4

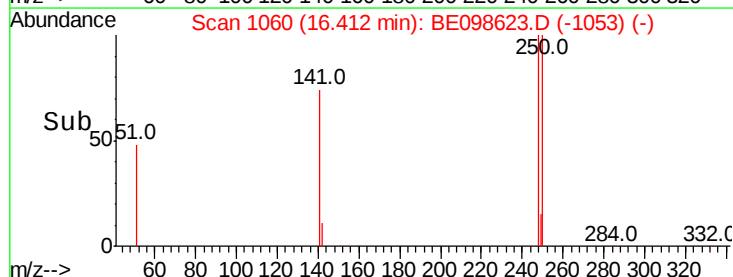
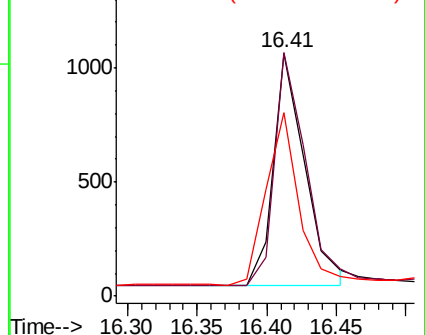
141 75.6 60.5 90.7

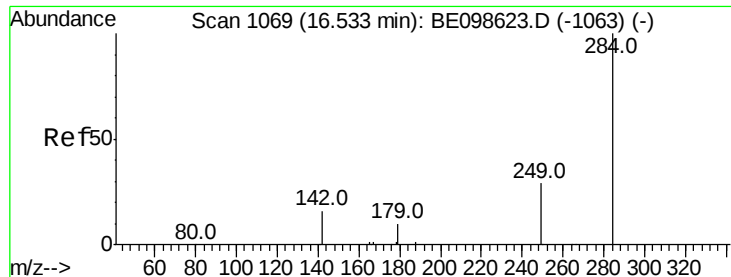


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.421 ng

RT: 16.53 min Scan# 1069

Delta R.T. 0.00 min

Lab File: BE098623.D

Acq: 15 Jan 2019 12:08

Instrument :

BNA\_E

ClientSampleId :

SSTDICCC0.4

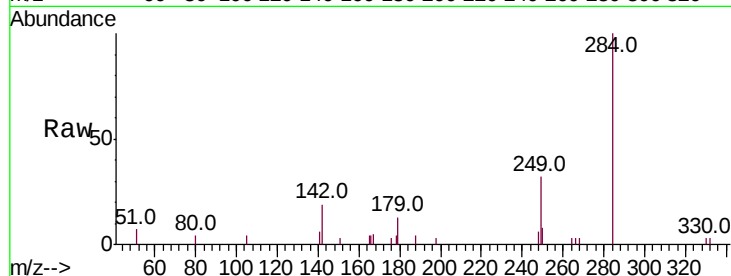
Tot Ion:284 Resp: 2016

Ion Ratio Lower Upper

284 100

142 32.0 25.5 38.3

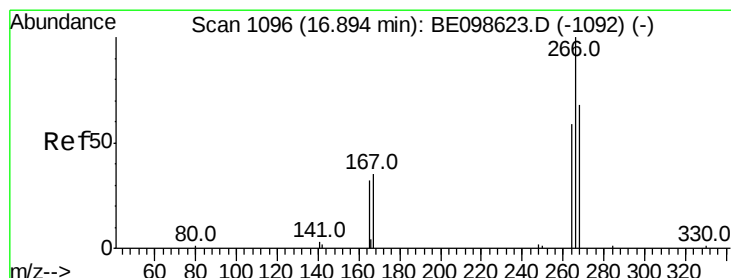
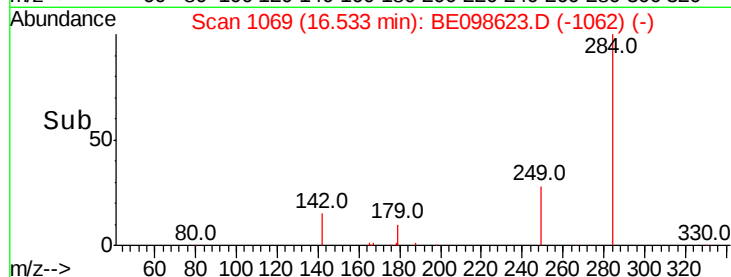
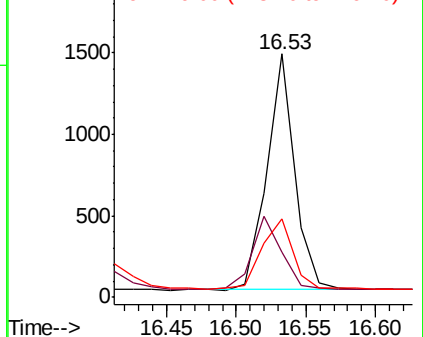
249 33.3 26.6 39.8



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: 0.516 ng

RT: 16.89 min Scan# 1096

Delta R.T. 0.00 min

Lab File: BE098623.D

Acq: 15 Jan 2019 12:08

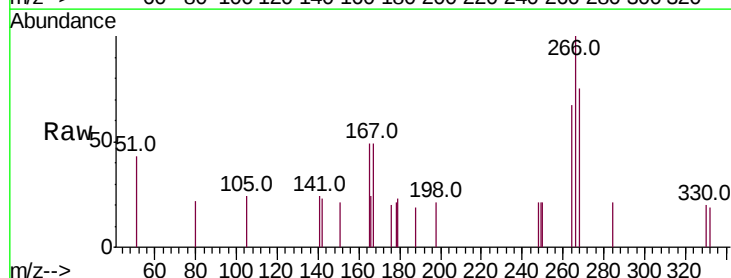
Tgt Ion:266 Resp: 487

Ion Ratio Lower Upper

266 100

264 67.1 53.7 80.5

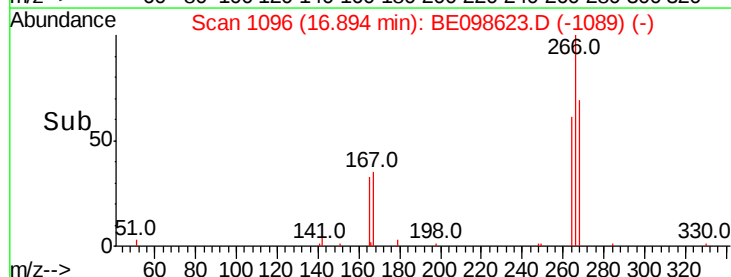
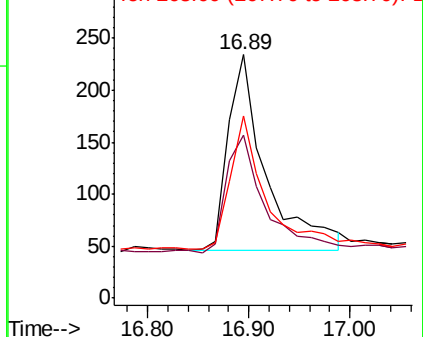
268 74.8 59.8 89.8

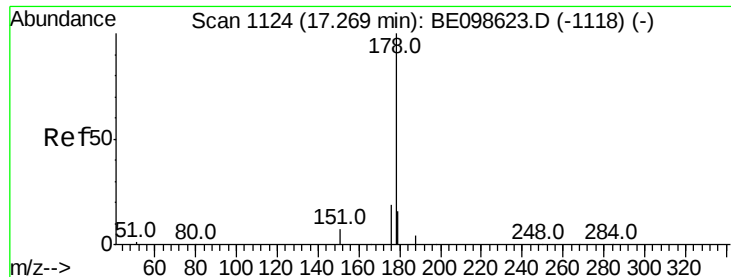


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.365 ng

RT: 17.27 min Scan# 1124

Delta R.T. 0.00 min

Lab File: BE098623.D

Acq: 15 Jan 2019 12:08

Instrument :

BNA\_E

ClientSampleId :

SSTDICCC0.4

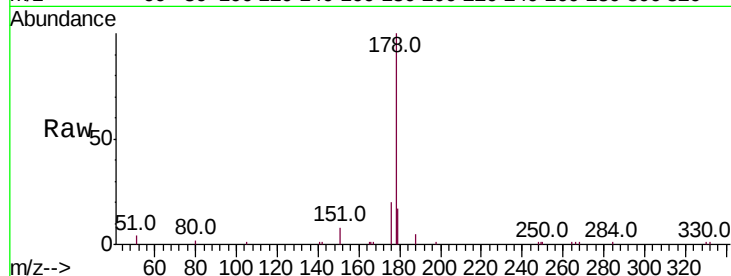
Tot Ion:178 Resp: 7326

Ion Ratio Lower Upper

178 100

176 19.9 15.9 23.9

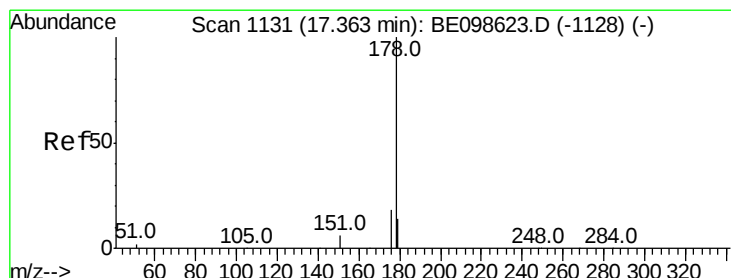
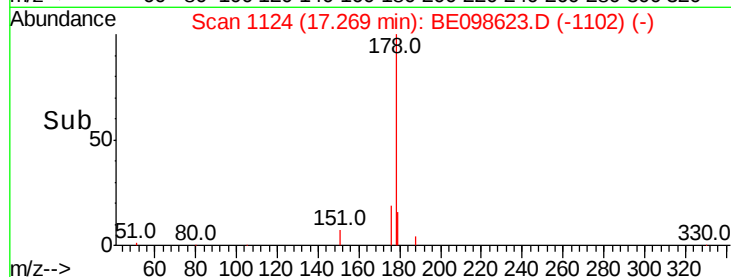
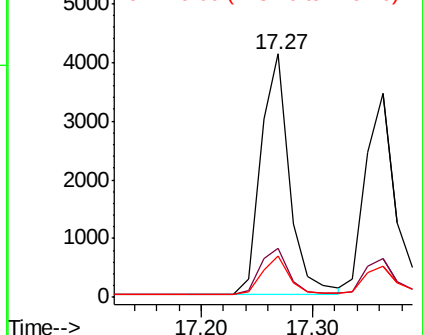
179 15.3 12.2 18.4



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: 0.339 ng

RT: 17.36 min Scan# 1131

Delta R.T. 0.00 min

Lab File: BE098623.D

Acq: 15 Jan 2019 12:08

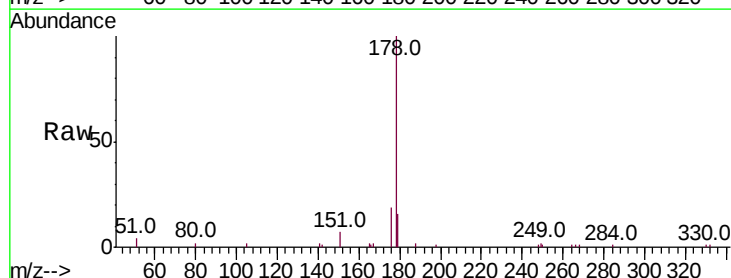
Tgt Ion:178 Resp: 6067

Ion Ratio Lower Upper

178 100

176 18.6 14.9 22.3

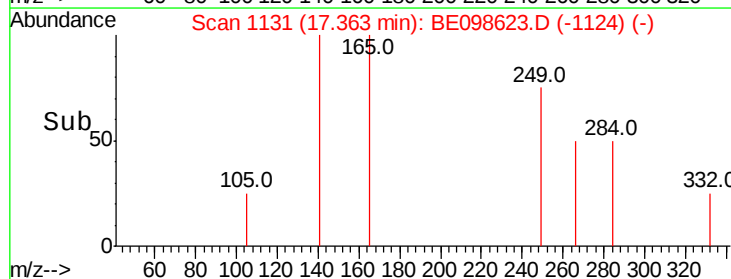
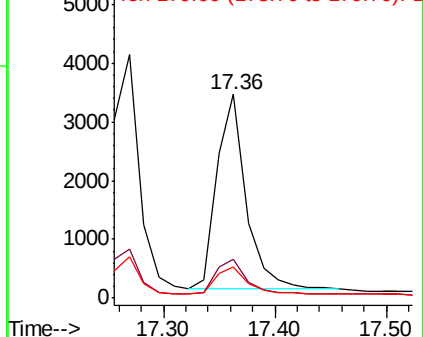
179 14.8 11.8 17.8

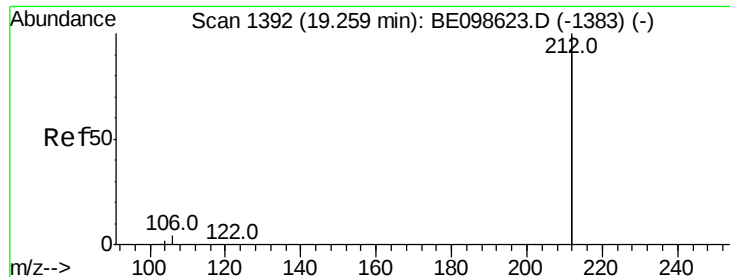


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.358 ng

RT: 19.26 min Scan# 1392

Delta R.T. 0.00 min

Lab File: BE098623.D

Acq: 15 Jan 2019 12:08

Instrument :

BNA\_E

ClientSampleId :

SSTDICCC0.4

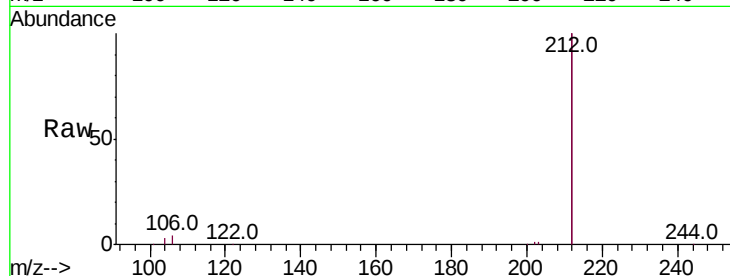
Tot Ion:212 Resp: 37946

Ion Ratio Lower Upper

212 100

106 2.1 1.7 2.5

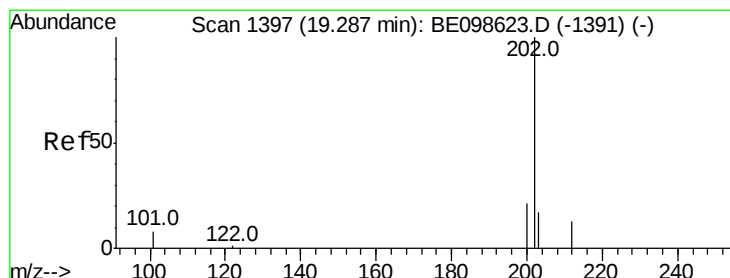
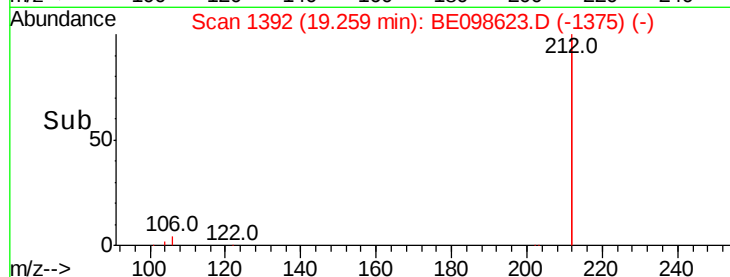
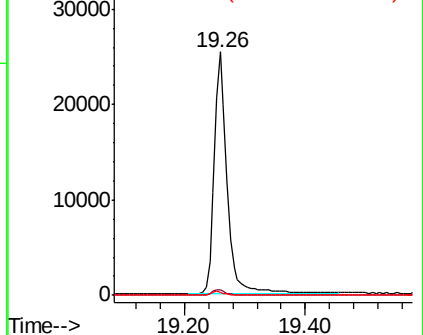
104 1.3 1.0 1.6



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: 0.350 ng

RT: 19.29 min Scan# 1397

Delta R.T. 0.00 min

Lab File: BE098623.D

Acq: 15 Jan 2019 12:08

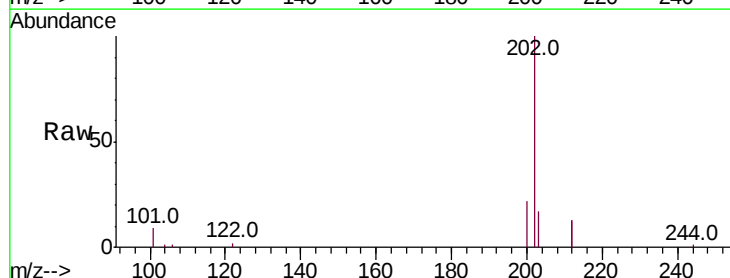
Tgt Ion:202 Resp: 9311

Ion Ratio Lower Upper

202 100

101 8.4 6.7 10.1

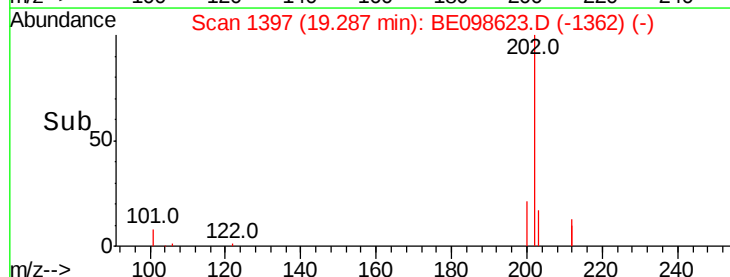
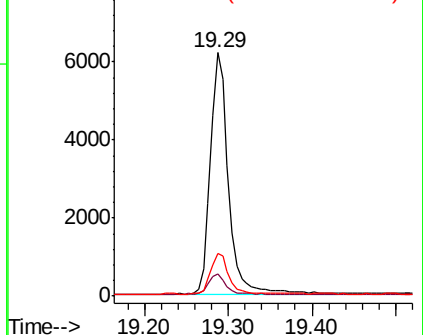
203 16.6 13.3 19.9

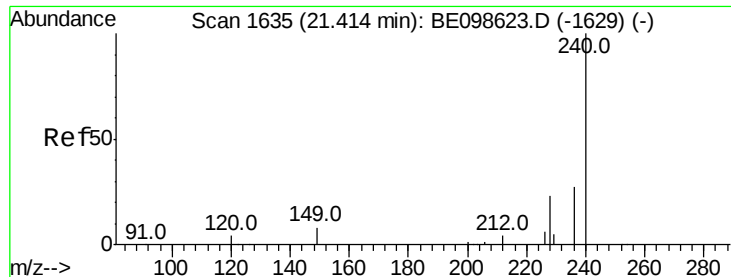


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.41 min Scan# 1635

Delta R.T. 0.00 min

Lab File: BE098623.D

Acq: 15 Jan 2019 12:08

Instrument :

BNA\_E

ClientSampleId :

SSTDICCC0.4

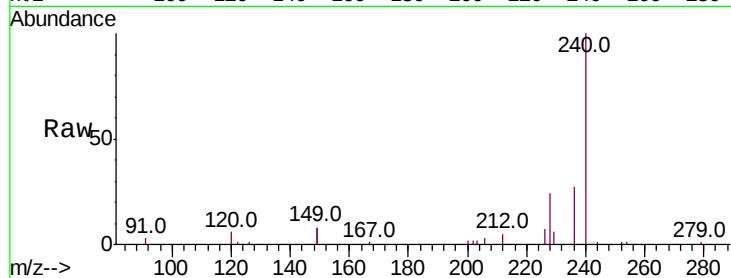
Tot Ion:240 Resp: 9345

Ion Ratio Lower Upper

240 100

120 5.9 4.7 7.1

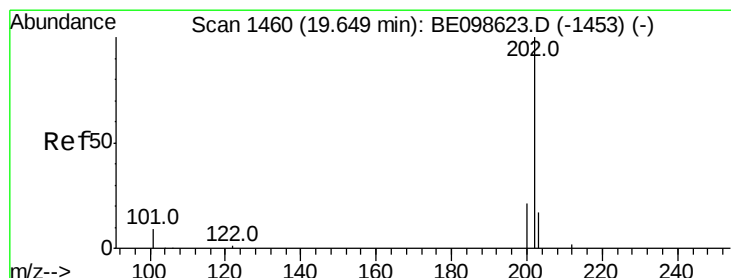
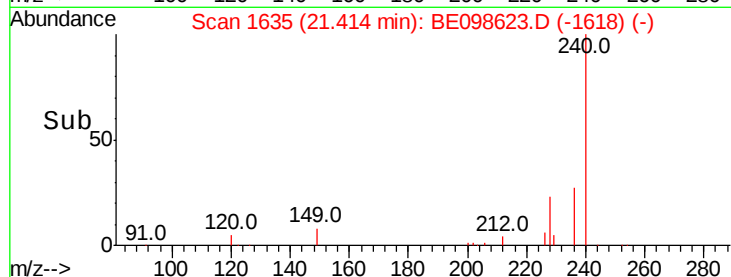
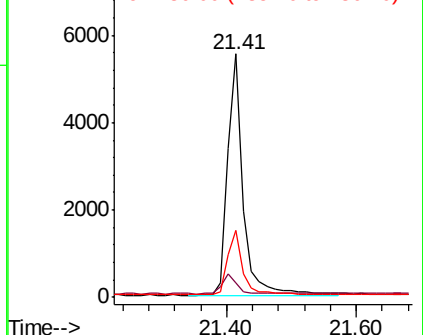
236 27.4 21.9 32.9



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: 0.334 ng

RT: 19.65 min Scan# 1460

Delta R.T. 0.00 min

Lab File: BE098623.D

Acq: 15 Jan 2019 12:08

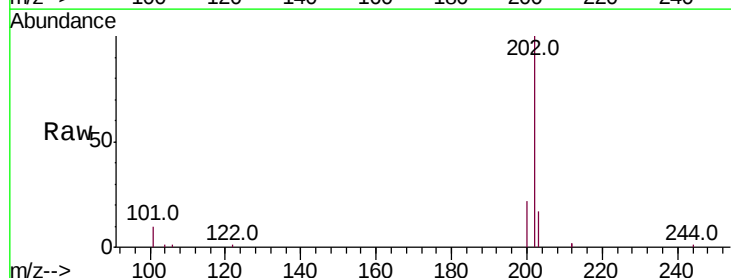
Tgt Ion:202 Resp: 9792

Ion Ratio Lower Upper

202 100

200 21.3 17.0 25.6

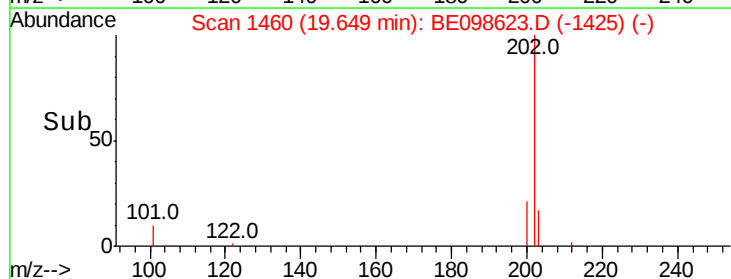
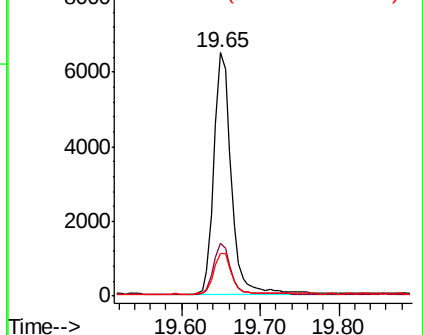
203 17.3 13.8 20.8

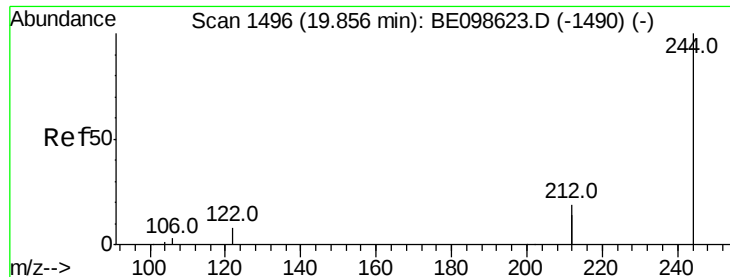


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.333 ng

RT: 19.86 min Scan# 1496

Delta R.T. 0.00 min

Lab File: BE098623.D

Acq: 15 Jan 2019 12:08

Instrument :

BNA\_E

ClientSampleId :

SSTDICCC0.4

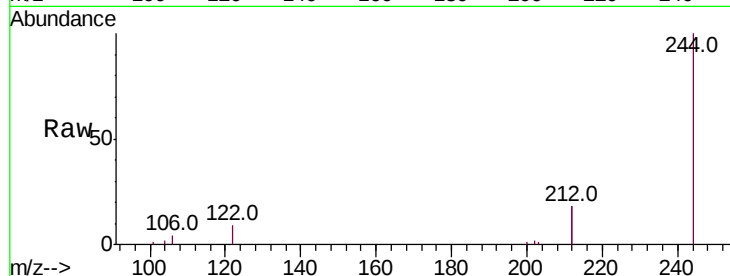
Tot Ion:244 Resp: 7564

Ion Ratio Lower Upper

244 100

212 36.8 29.4 44.2

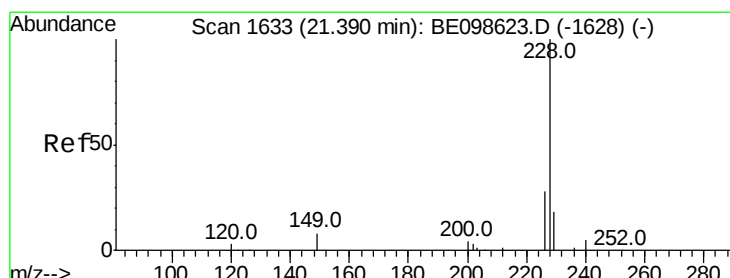
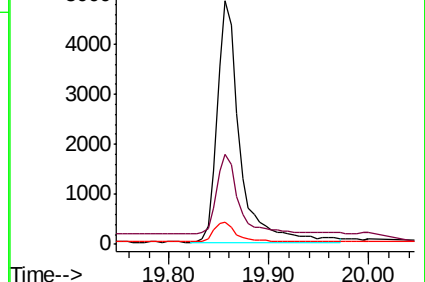
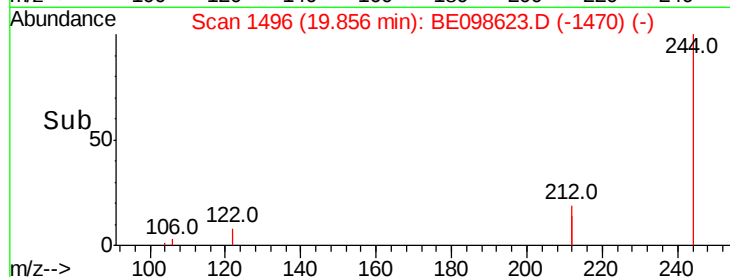
122 8.9 7.1 10.7



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: 0.354 ng

RT: 21.39 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE098623.D

Acq: 15 Jan 2019 12:08

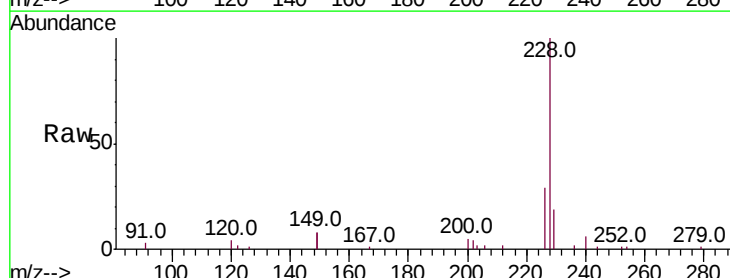
Tgt Ion:228 Resp: 9418

Ion Ratio Lower Upper

228 100

226 28.7 23.0 34.4

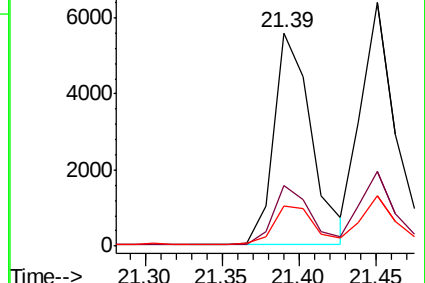
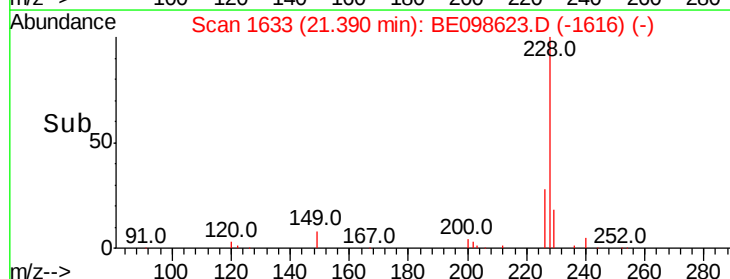
229 18.8 15.0 22.6

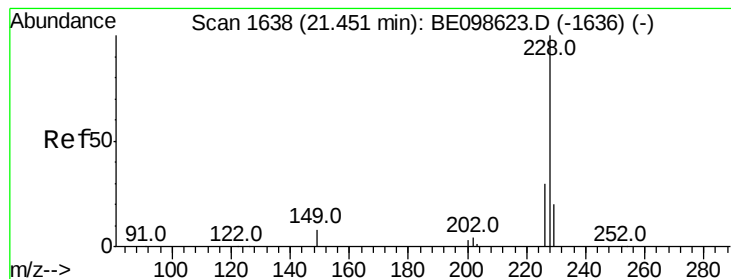


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.351 ng

RT: 21.45 min Scan# 1638

Delta R.T. 0.00 min

Lab File: BE098623.D

Acq: 15 Jan 2019 12:08

Instrument :

BNA\_E

ClientSampleId :

SSTDICCC0.4

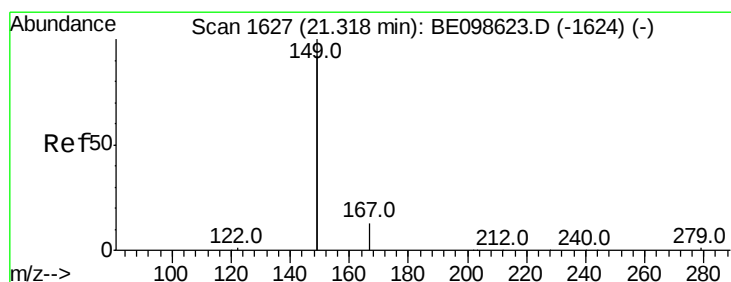
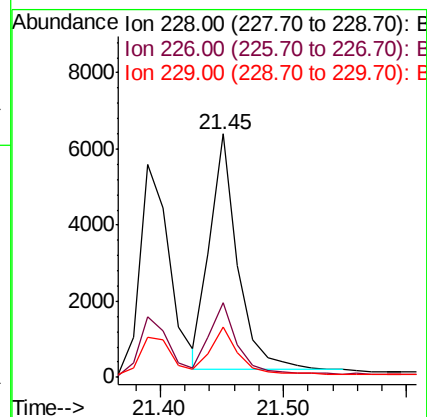
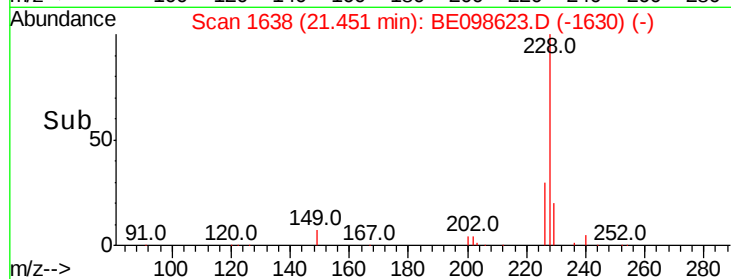
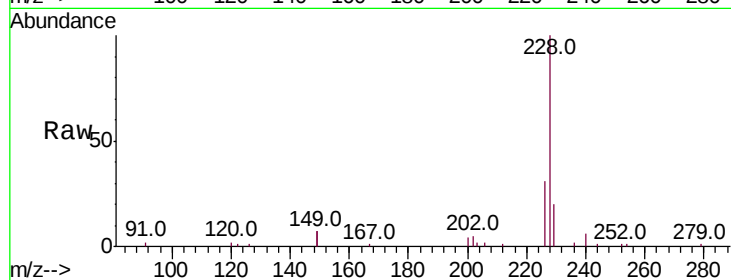
Tot Ion:228 Resp: 9781

Ion Ratio Lower Upper

228 100

226 30.7 24.6 36.8

229 20.5 16.4 24.6



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.348 ng

RT: 21.32 min Scan# 1627

Delta R.T. 0.00 min

Lab File: BE098623.D

Acq: 15 Jan 2019 12:08

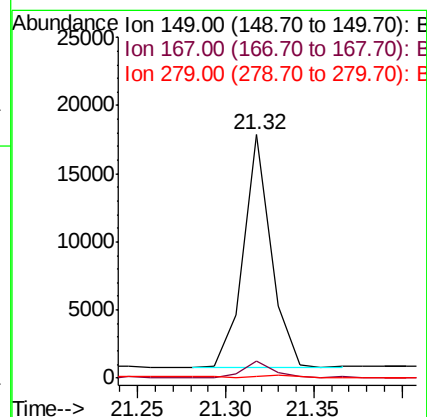
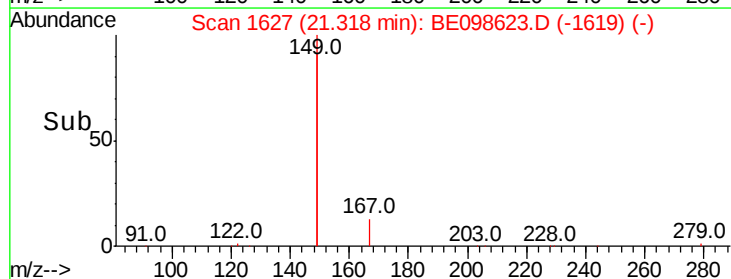
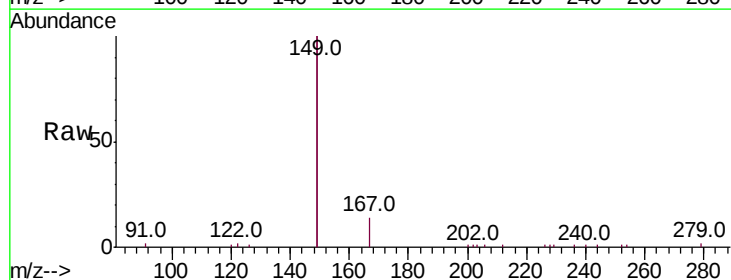
Tgt Ion:149 Resp: 18829

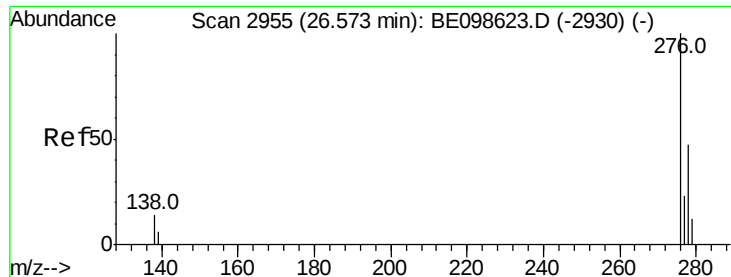
Ion Ratio Lower Upper

149 100

167 6.8 5.4 8.2

279 1.2 1.0 1.4





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.371 ng

RT: 26.57 min Scan# 2955

Delta R.T. 0.00 min

Lab File: BE098623.D

Acq: 15 Jan 2019 12:08

Instrument :

BNA\_E

ClientSampleId :

SSTDICCC0.4

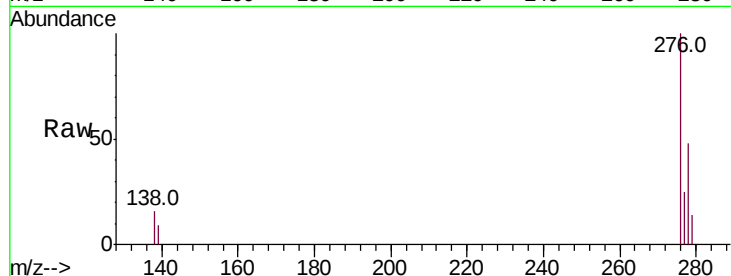
Tot Ion:276 Resp: 10288

Ion Ratio Lower Upper

276 100

138 16.6 13.3 19.9

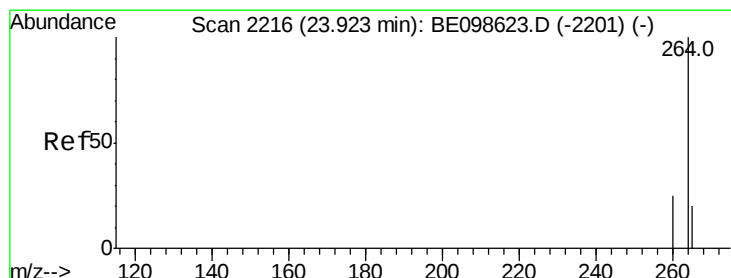
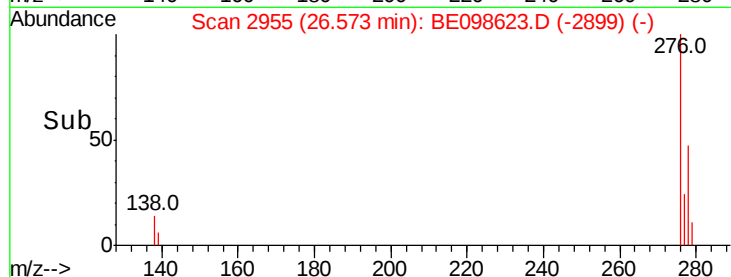
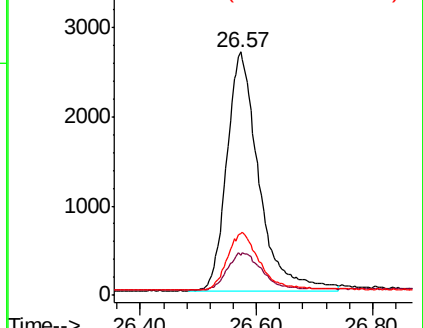
277 24.2 19.4 29.0



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: 23.92 min Scan# 2216

Delta R.T. 0.00 min

Lab File: BE098623.D

Acq: 15 Jan 2019 12:08

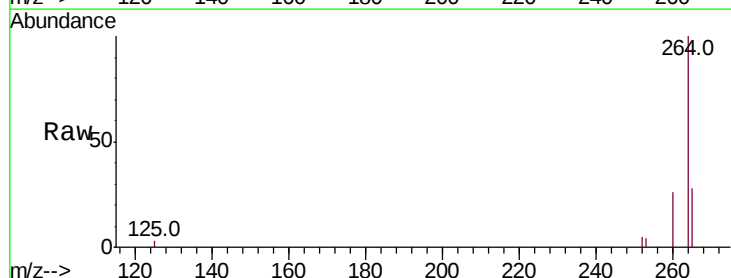
Tgt Ion:264 Resp: 8872

Ion Ratio Lower Upper

264 100

260 25.6 20.5 30.7

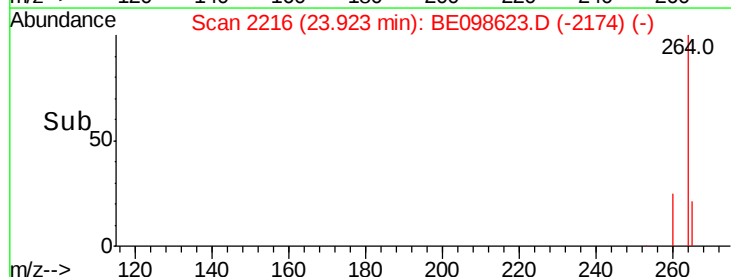
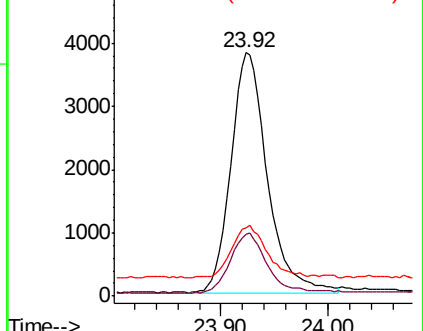
265 27.9 22.3 33.5

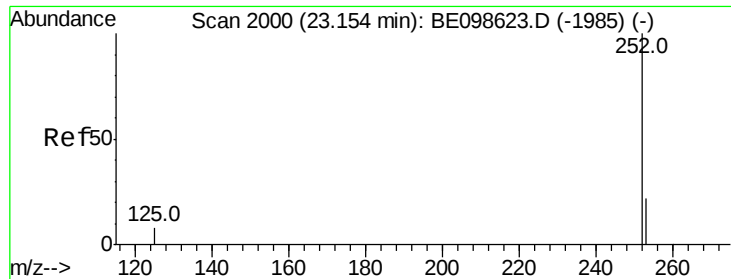


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

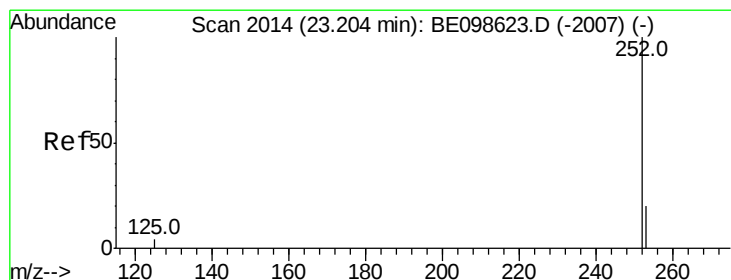
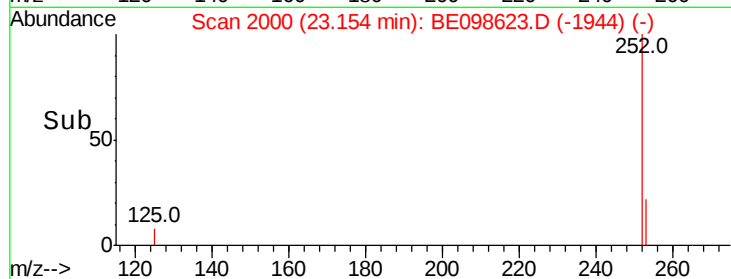
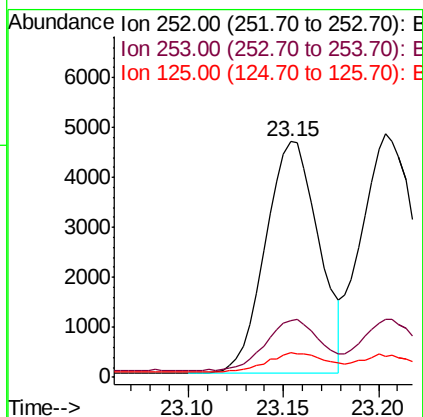
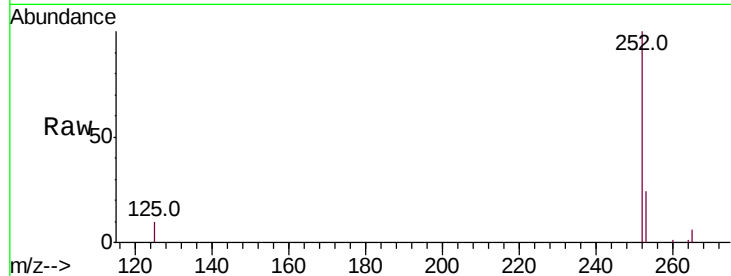




#35  
Benzo(b)fluoranthene  
Concen: 0.373 ng  
RT: 23.15 min Scan# 2000  
Delta R.T. 0.00 min  
Lab File: BE098623.D  
Acq: 15 Jan 2019 12:08

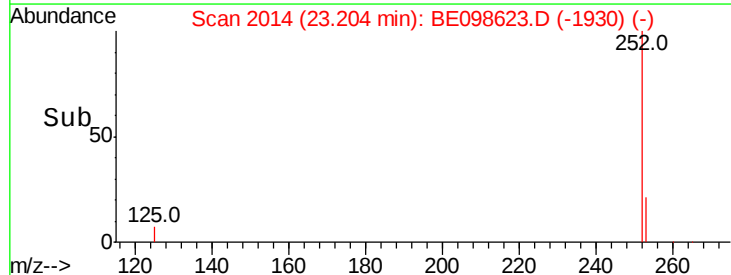
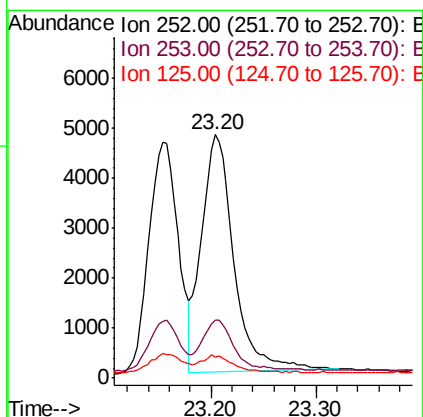
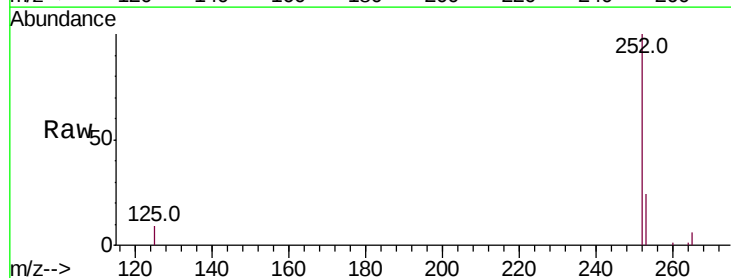
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICCC0.4

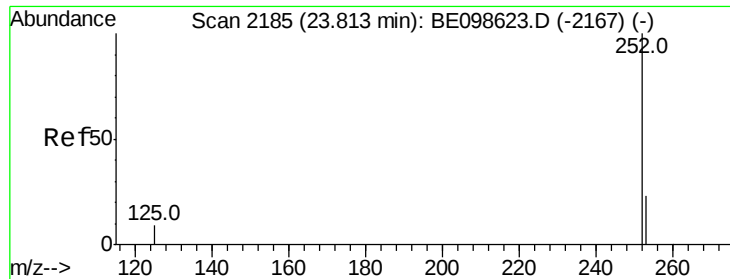
Tot Ion:252 Resp: 9045  
Ion Ratio Lower Upper  
252 100  
253 24.2 19.4 29.0  
125 10.3 8.2 12.4



#36  
Benzo(k)fluoranthene  
Concen: 0.363 ng  
RT: 23.20 min Scan# 2014  
Delta R.T. 0.00 min  
Lab File: BE098623.D  
Acq: 15 Jan 2019 12:08

Tgt Ion:252 Resp: 10251  
Ion Ratio Lower Upper  
252 100  
253 23.7 19.0 28.4  
125 8.7 7.0 10.4





#37

Benzo(a)pyrene

Concen: 0.360 ng

RT: 23.81 min Scan# 2185

Delta R.T. 0.00 min

Lab File: BE098623.D

Acq: 15 Jan 2019 12:08

Instrument :

BNA\_E

ClientSampleId :

SSTDICCC0.4

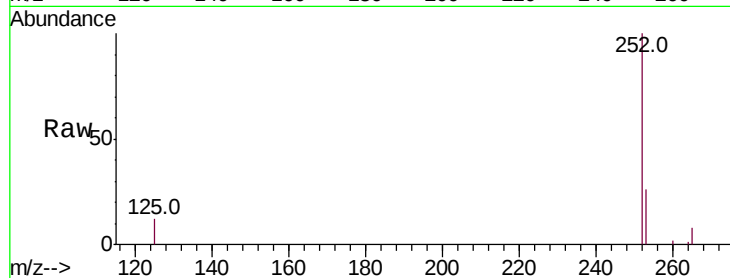
Tot Ion:252 Resp: 9006

Ion Ratio Lower Upper

252 100

253 26.2 21.0 31.4

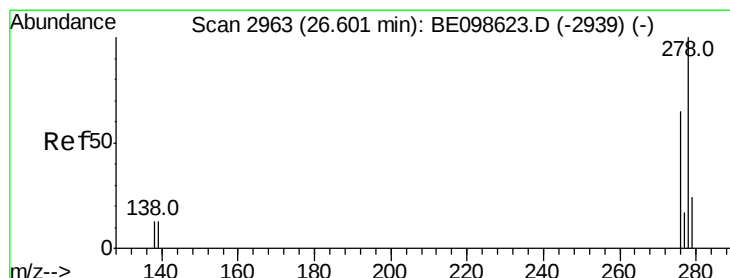
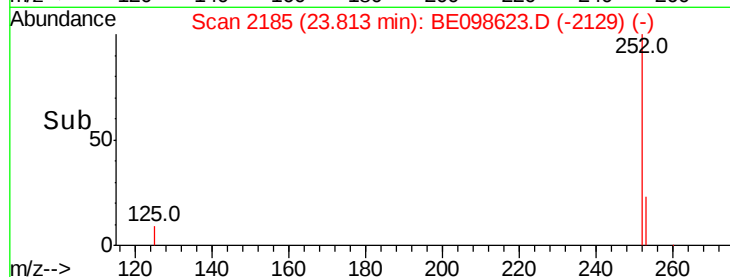
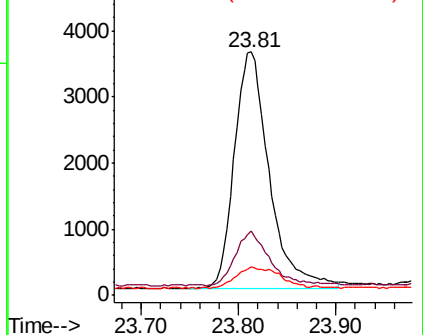
125 11.5 9.2 13.8



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: 0.336 ng

RT: 26.60 min Scan# 2963

Delta R.T. 0.00 min

Lab File: BE098623.D

Acq: 15 Jan 2019 12:08

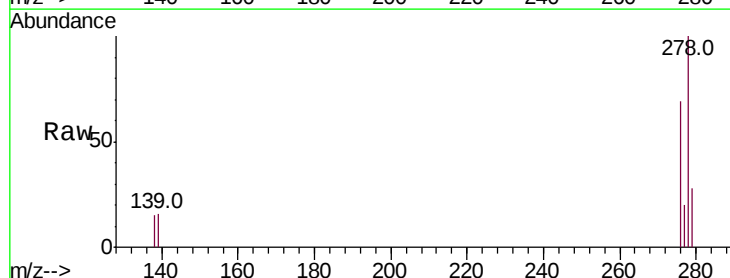
Tgt Ion:278 Resp: 7917

Ion Ratio Lower Upper

278 100

139 15.9 12.7 19.1

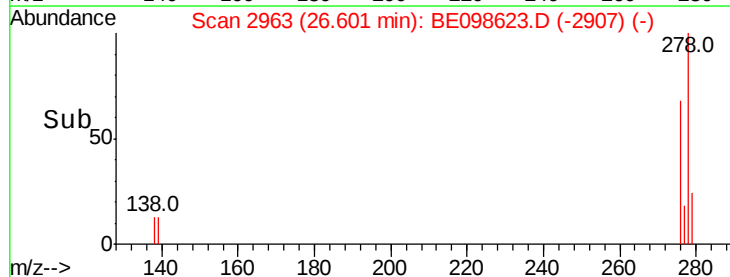
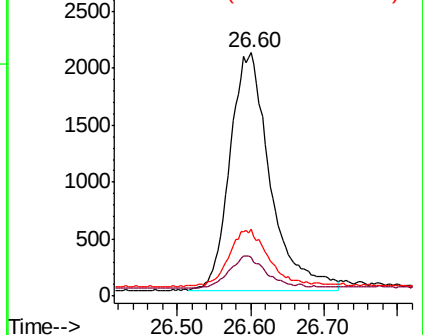
279 27.5 22.0 33.0

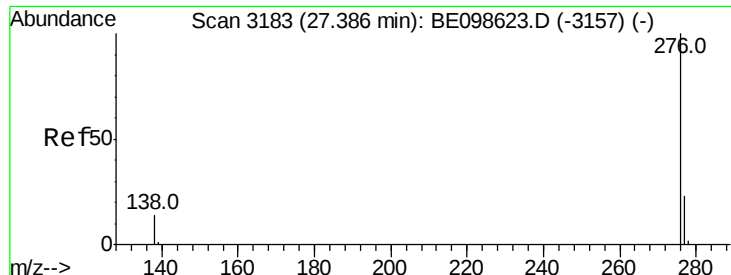


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.375 ng

RT: 27.39 min Scan# 3183

Delta R.T. 0.00 min

Lab File: BE098623.D

Acq: 15 Jan 2019 12:08

Instrument :

BNA\_E

ClientSampleId :

SSTDICCC0.4

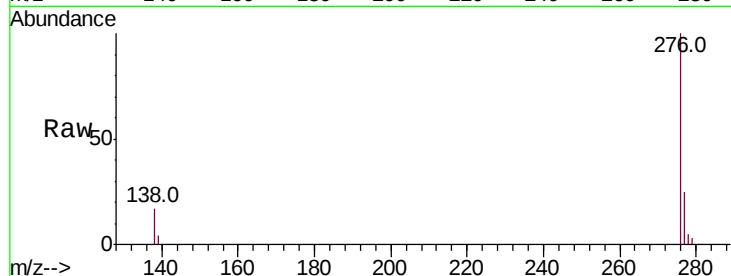
Tot Ion:276 Resp: 8905

Ion Ratio Lower Upper

276 100

277 25.4 20.3 30.5

138 16.6 13.3 19.9



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

