

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE110118\  
 Data File : BE098143.D  
 Acq On : 1 Nov 2018 13:04  
 Operator : SJ/JU  
 Sample : SSTDICV0.4  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 ICVBE110118

Quant Time: Nov 01 13:34:12 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE110118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 01 13:00:52 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.87  | 152  | 1131     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.68 | 136  | 5559     | 0.40 | ng    | 0.01     |
| 13) Acenaphthene-d10      | 14.54 | 164  | 3716     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.28 | 188  | 8823     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.46 | 240  | 10388    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 24.02 | 264  | 10009    | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| System Monitoring Compounds |       |     |       |      |    |      |
| 4) 2-Fluorophenol           | 5.45  | 112 | 1272  | 0.38 | ng | 0.00 |
| 5) Phenol-d6                | 7.04  | 99  | 2123  | 0.38 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 9.03  | 82  | 2331  | 0.39 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.27 | 152 | 3783  | 0.39 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 16.03 | 330 | 596   | 0.34 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 13.16 | 172 | 5695  | 0.37 | ng | 0.00 |
| 25) Fluoranthene-d10        | 19.32 | 212 | 41530 | 0.36 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.91 | 244 | 8744  | 0.36 | ng | 0.00 |

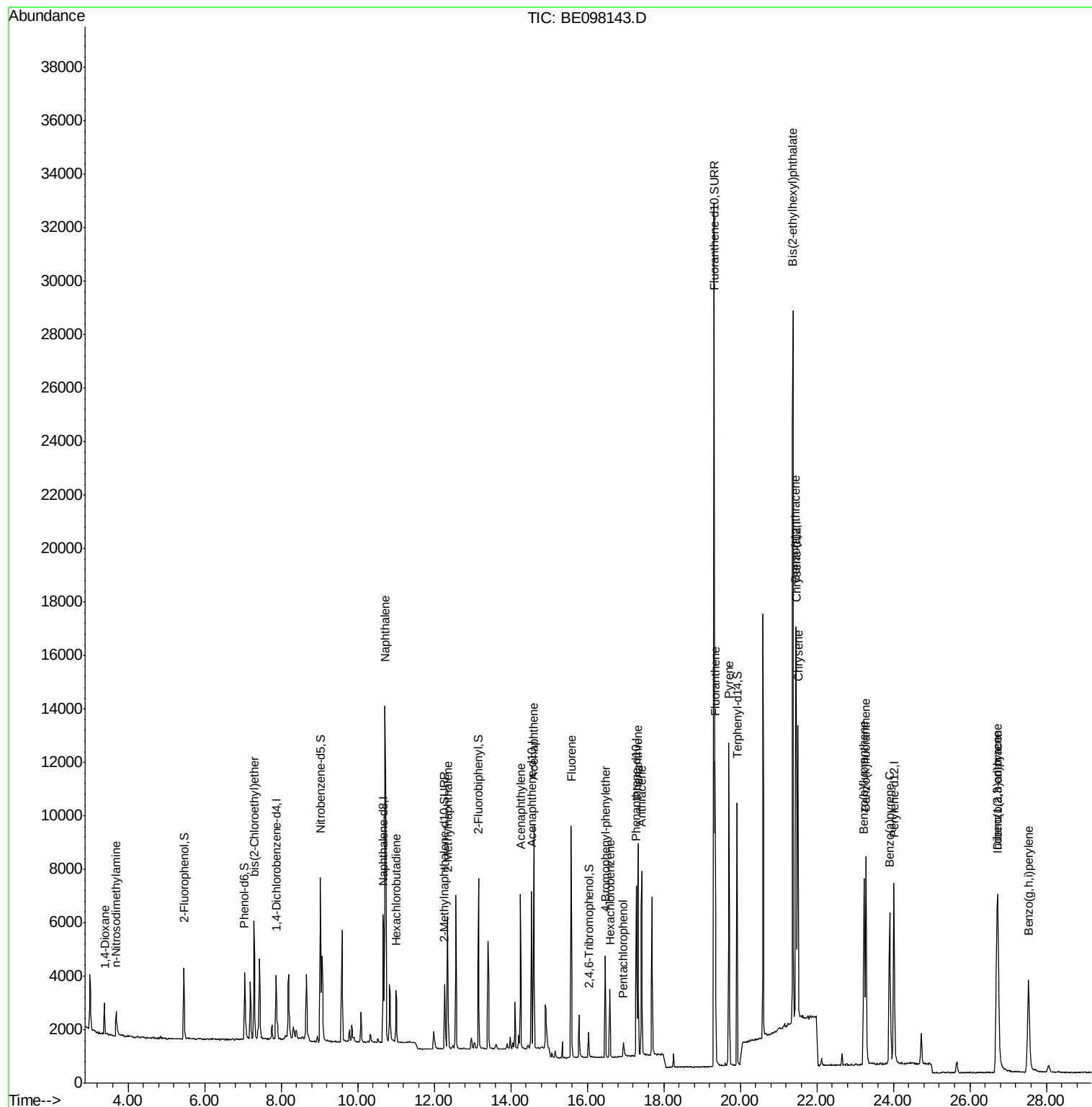
|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.38  | 88  | 692   | 0.410  | ng | # 92 |
| 3) n-Nitrosodimethylamine      | 3.69  | 42  | 954   | 0.423  | ng | # 74 |
| 6) bis(2-Chloroethyl)ether     | 7.29  | 93  | 1534  | 0.379  | ng | 96   |
| 9) Naphthalene                 | 10.72 | 128 | 21483 | 0.387  | ng | 99   |
| 10) Hexachlorobutadiene        | 11.00 | 225 | 1455  | 0.399  | ng | 96   |
| 12) 2-Methylnaphthalene        | 12.35 | 142 | 3784  | 0.382  | ng | 95   |
| 16) Acenaphthylene             | 14.25 | 152 | 6404  | 0.378  | ng | 99   |
| 17) Acenaphthene               | 14.60 | 154 | 4007  | 0.394  | ng | 99   |
| 18) Fluorene                   | 15.58 | 166 | 5127  | 0.380  | ng | 98   |
| 20) 4-Bromophenyl-phenylether  | 16.48 | 248 | 2014  | 0.374  | ng | # 91 |
| 21) Hexachlorobenzene          | 16.59 | 284 | 2137  | 0.380  | ng | 99   |
| 22) Pentachlorophenol          | 16.94 | 266 | 357   | 0.349  | ng | 93   |
| 23) Phenanthrene               | 17.33 | 178 | 8134  | 0.372  | ng | 99   |
| 24) Anthracene                 | 17.42 | 178 | 7801  | 0.375  | ng | 99   |
| 26) Fluoranthene               | 19.34 | 202 | 10111 | 0.369  | ng | 96   |
| 28) Pyrene                     | 19.71 | 202 | 10547 | 0.372  | ng | 99   |
| 30) Benzo(a)anthracene         | 21.45 | 228 | 11188 | 0.368  | ng | 98   |
| 31) Chrysene                   | 21.51 | 228 | 11113 | 0.370  | ng | 98   |
| 32) Bis(2-ethylhexyl)phthalate | 21.38 | 149 | 36268 | 0.390  | ng | 100  |
| 33) Indeno(1,2,3-cd)pyrene     | 26.71 | 276 | 11703 | 0.375  | ng | # 85 |
| 35) Benzo(b)fluoranthene       | 23.23 | 252 | 10633 | 0.377  | ng | # 90 |
| 36) Benzo(k)fluoranthene       | 23.28 | 252 | 10992 | 0.377  | ng | # 89 |
| 37) Benzo(a)pyrene             | 23.90 | 252 | 10217 | 0.371  | ng | # 90 |
| 38) Dibenzo(a,h)anthracene     | 26.73 | 278 | 9535  | 0.371  | ng | 97   |
| 39) Benzo(g,h,i)perylene       | 27.53 | 276 | 9466  | 0.370  | ng | # 90 |

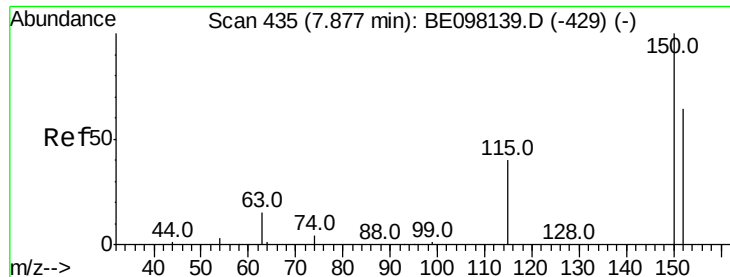
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Nov 01 13:00:52 2018  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.87 min Scan# 435

Delta R.T. -0.00 min

Lab File: BE098143.D

Acq: 1 Nov 2018 13:04

Instrument :

BNA\_E

ClientSampleId :

ICVBE110118

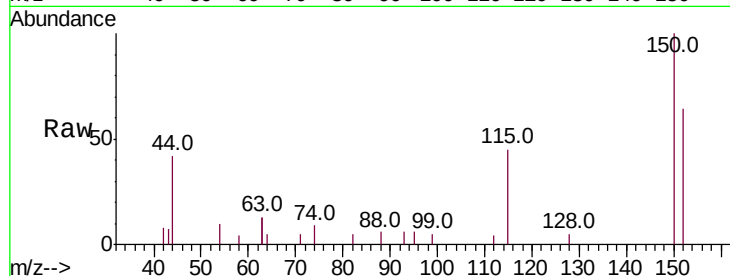
Tot Ion:152 Resp: 1131

Ion Ratio Lower Upper

152 100

150 156.2 118.2 177.4

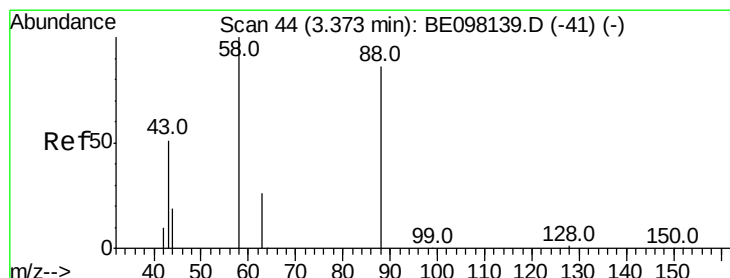
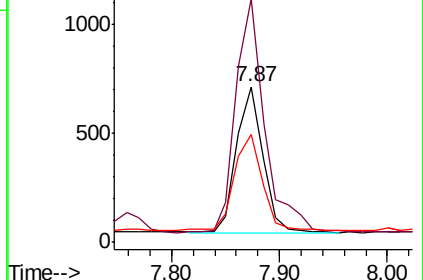
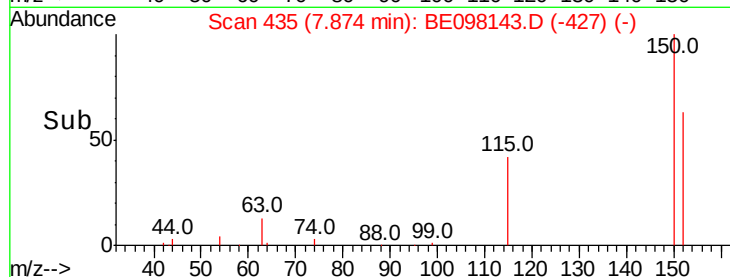
115 69.6 50.9 76.3



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: 0.410 ng

RT: 3.38 min Scan# 45

Delta R.T. 0.01 min

Lab File: BE098143.D

Acq: 1 Nov 2018 13:04

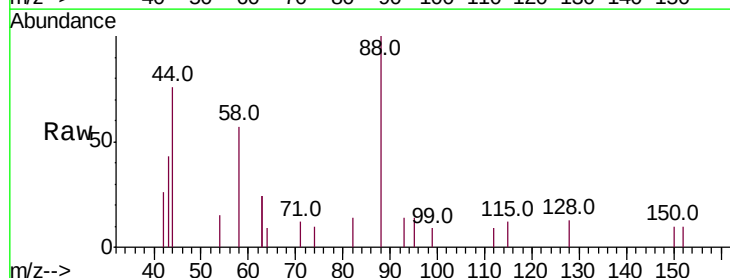
Tgt Ion: 88 Resp: 692

Ion Ratio Lower Upper

88 100

58 88.2 73.2 109.8

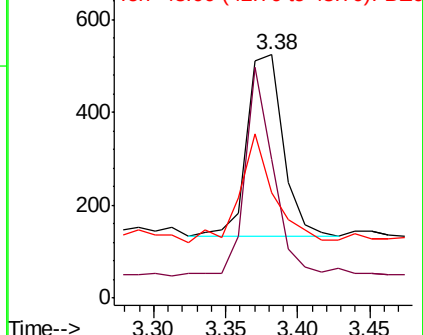
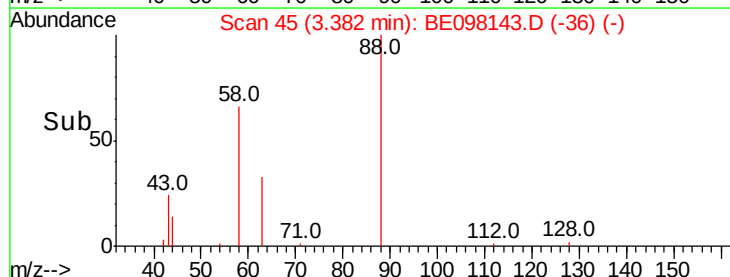
43 56.5 36.9 55.3#

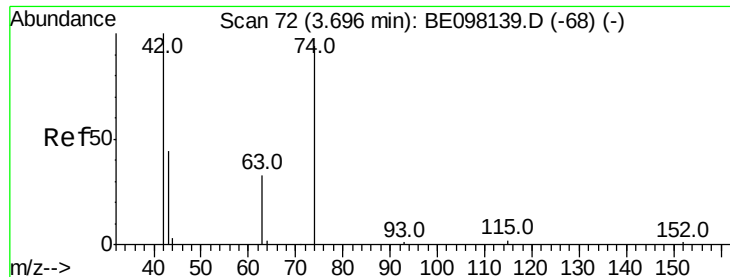


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.423 ng

RT: 3.69 min Scan# 72

Delta R.T. -0.00 min

Lab File: BE098143.D

Acq: 1 Nov 2018 13:04

Instrument :

BNA\_E

ClientSampleId :

ICVBE110118

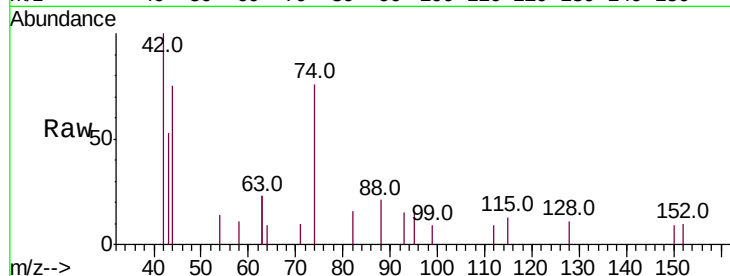
Tot Ion: 42 Resp: 954

Ion Ratio Lower Upper

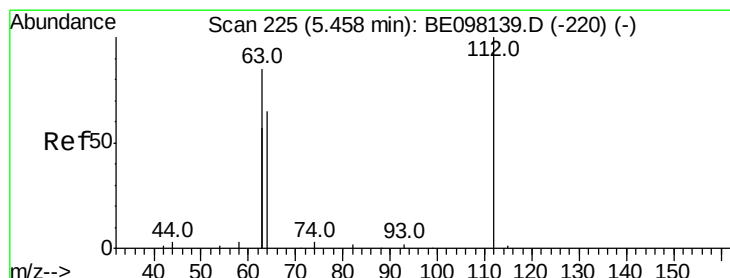
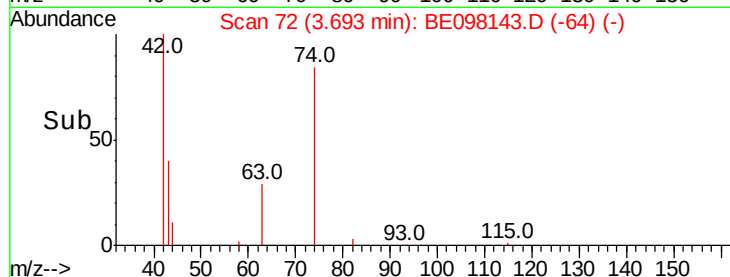
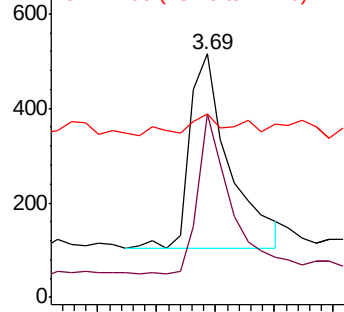
42 100

74 68.8 77.6 116.4#

44 10.2 7.6 11.4



Abundance Ion 42.00 (41.70 to 42.70): BE0  
Ion 74.00 (73.70 to 74.70): BE0  
Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.379 ng

RT: 5.45 min Scan# 225

Delta R.T. -0.00 min

Lab File: BE098143.D

Acq: 1 Nov 2018 13:04

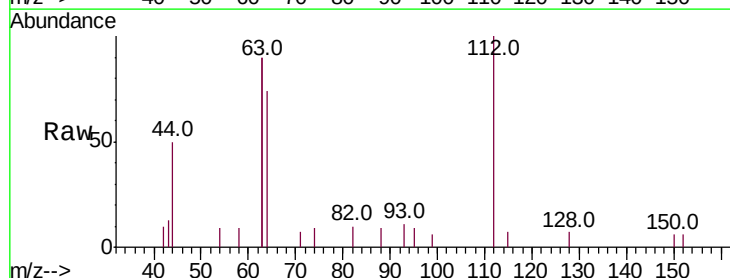
Tgt Ion: 112 Resp: 1272

Ion Ratio Lower Upper

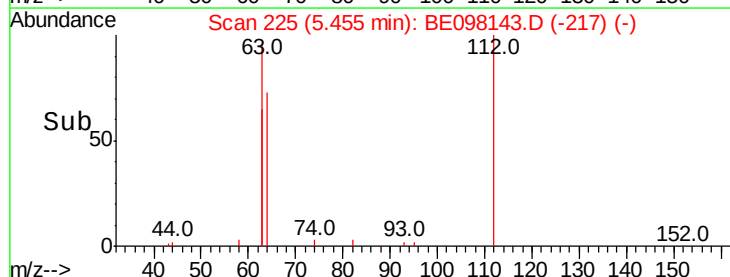
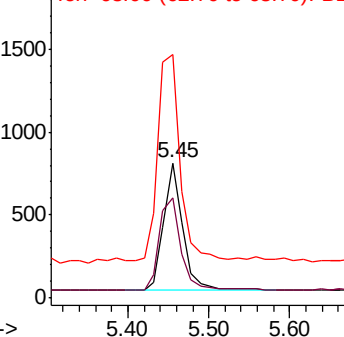
112 100

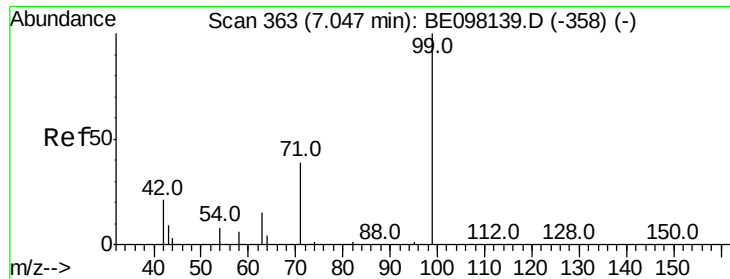
64 81.9 58.9 88.3

63 184.2 120.3 180.5#



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BE0  
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.384 ng

RT: 7.04 min Scan# 363

Delta R.T. -0.00 min

Lab File: BE098143.D

Acq: 1 Nov 2018 13:04

Instrument :

BNA\_E

ClientSampleId :

ICVBE110118

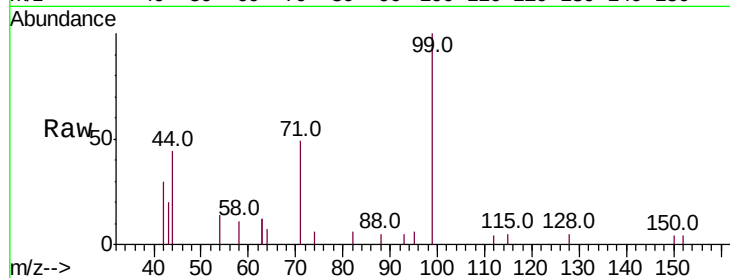
Tot Ion: 99 Resp: 2123

Ion Ratio Lower Upper

99 100

42 33.8 19.9 29.9#

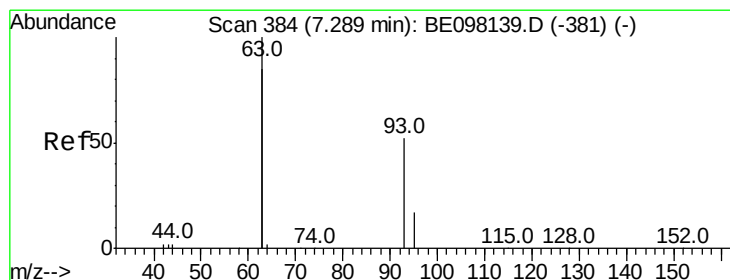
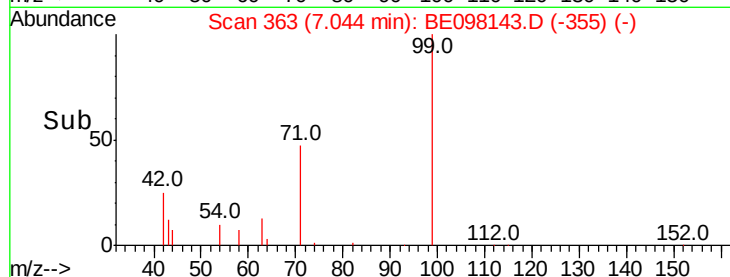
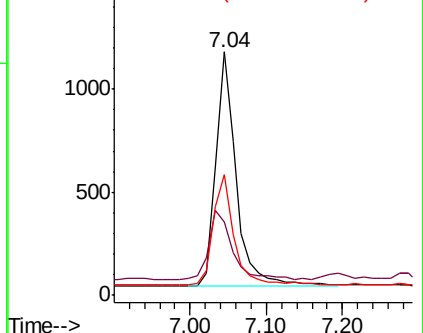
71 49.2 27.8 41.8#



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.379 ng

RT: 7.29 min Scan# 384

Delta R.T. -0.00 min

Lab File: BE098143.D

Acq: 1 Nov 2018 13:04

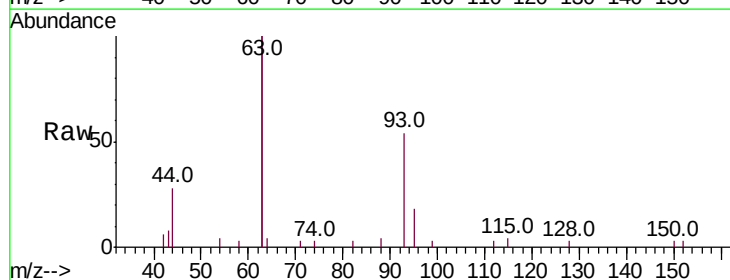
Tgt Ion: 93 Resp: 1534

Ion Ratio Lower Upper

93 100

63 331.7 259.0 388.4

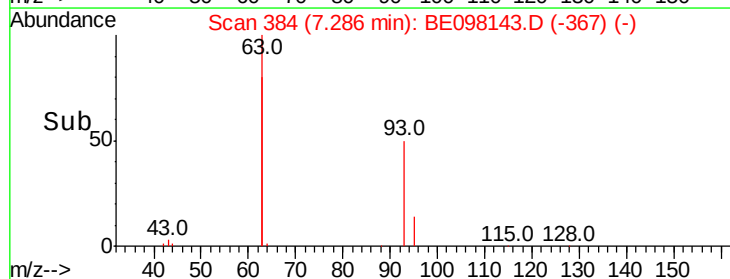
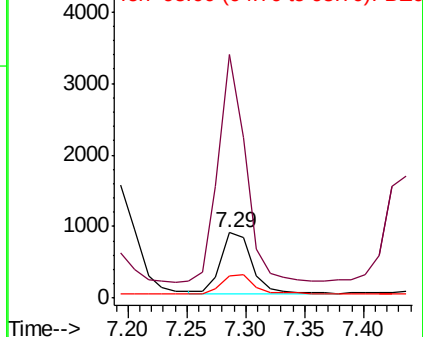
95 33.8 27.8 41.8

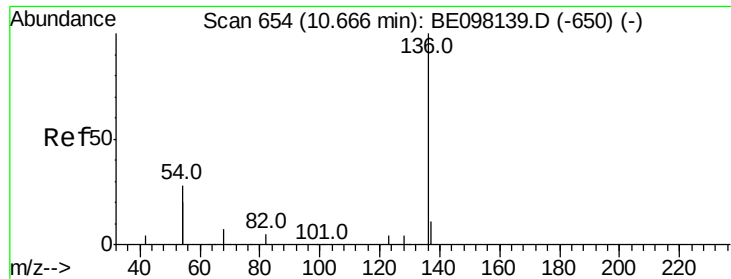


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.68 min Scan# 655

Delta R.T. 0.01 min

Lab File: BE098143.D

Acq: 1 Nov 2018 13:04

Instrument :

BNA\_E

ClientSampleId :

ICVBE110118

Tot Ion:136 Resp: 5559

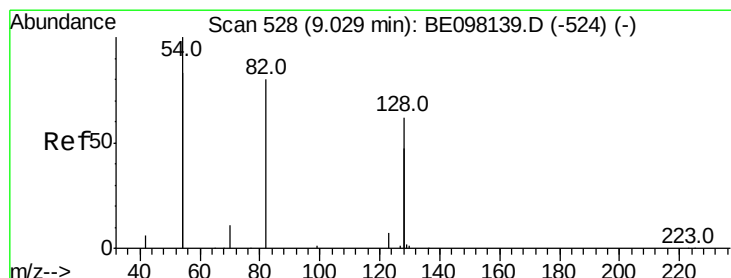
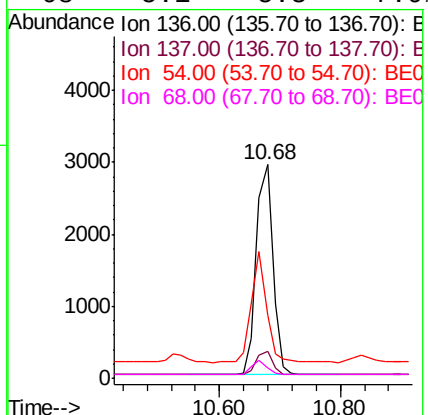
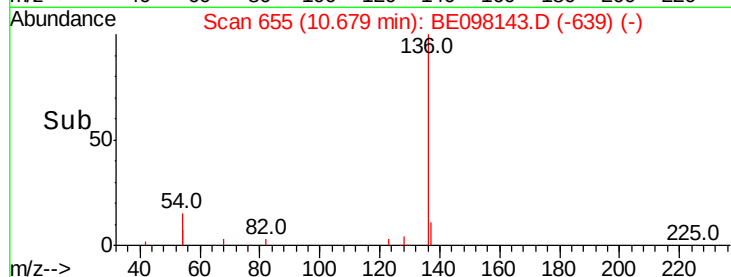
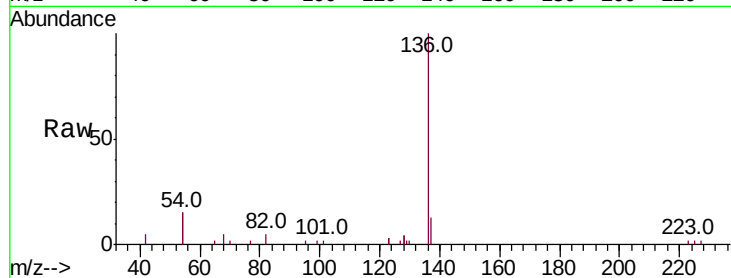
Ion Ratio Lower Upper

136 100

137 12.8 9.6 14.4

54 29.3 27.7 41.5

68 5.1 5.3 7.9#



#8

Nitrobenzene-d5

Concen: 0.391 ng

RT: 9.03 min Scan# 528

Delta R.T. 0.00 min

Lab File: BE098143.D

Acq: 1 Nov 2018 13:04

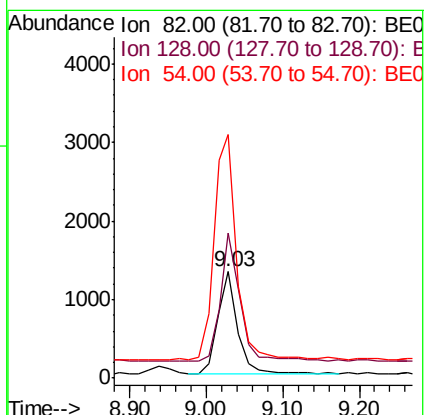
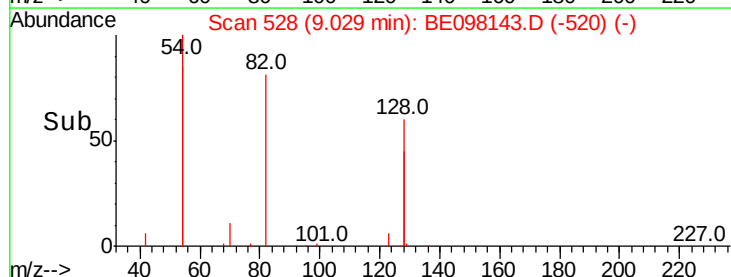
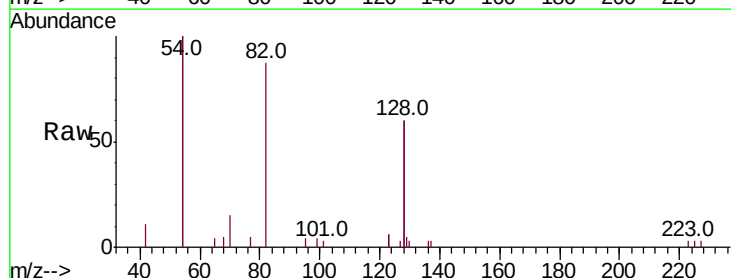
Tgt Ion: 82 Resp: 2331

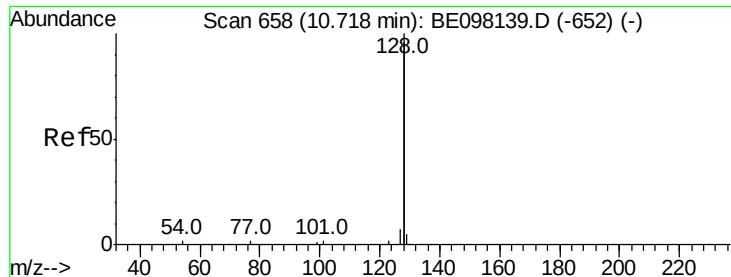
Ion Ratio Lower Upper

82 100

128 136.4 129.9 194.9

54 228.6 174.0 261.0





#9

Naphthalene

Concen: 0.387 ng

RT: 10.72 min Scan# 658

Delta R.T. 0.00 min

Lab File: BE098143.D

Acq: 1 Nov 2018 13:04

Instrument :

BNA\_E

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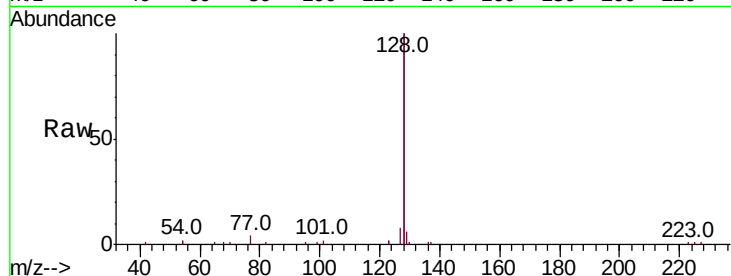
Tot Ion:128 Resp: 21483

Ion Ratio Lower Upper

128 100

129 3.2 2.5 3.7

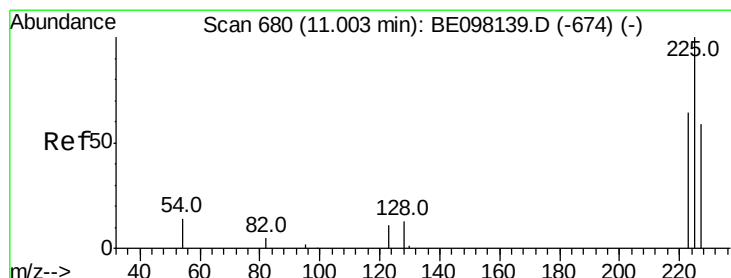
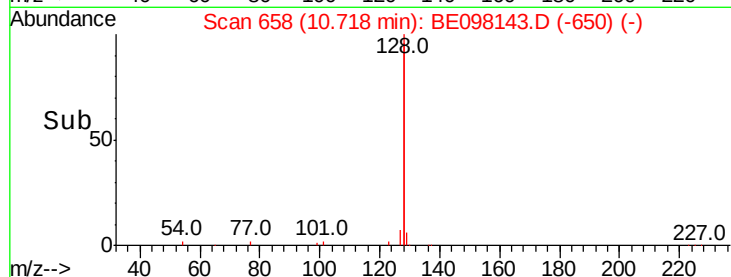
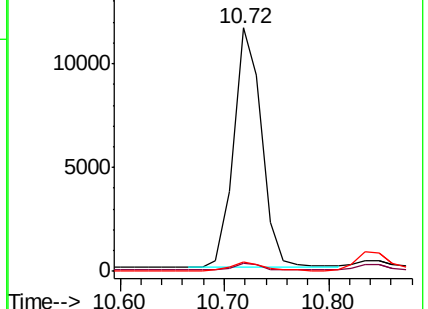
127 3.9 2.8 4.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.399 ng

RT: 11.00 min Scan# 680

Delta R.T. 0.00 min

Lab File: BE098143.D

Acq: 1 Nov 2018 13:04

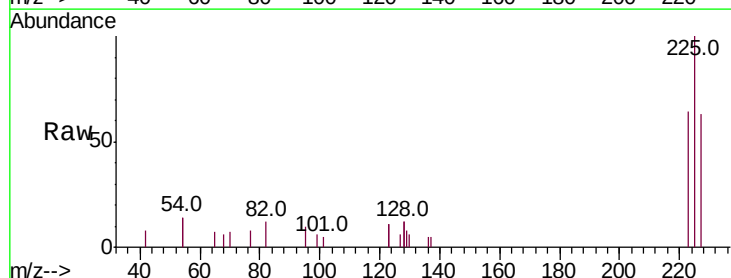
Tgt Ion:225 Resp: 1455

Ion Ratio Lower Upper

225 100

223 61.5 51.8 77.8

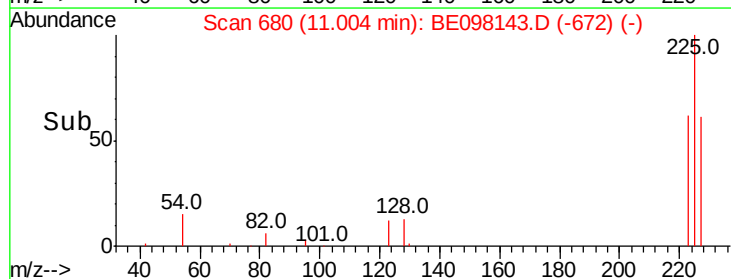
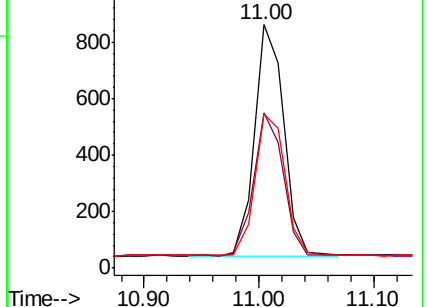
227 62.5 53.0 79.6

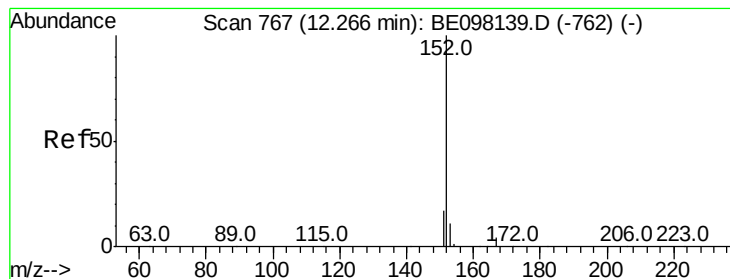


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.386 ng

RT: 12.27 min Scan# 767

Delta R.T. 0.00 min

Lab File: BE098143.D

Acq: 1 Nov 2018 13:04

Instrument :

BNA\_E

ClientSampleId :

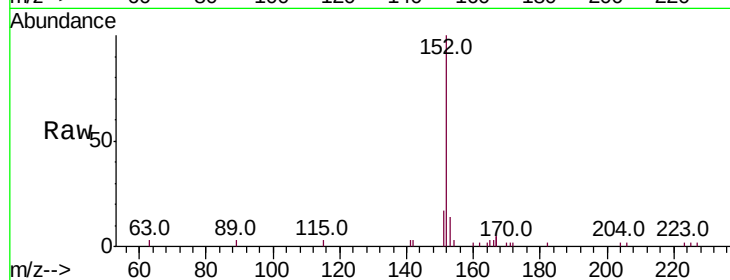
ICVBE110118

Tot Ion:152 Resp: 3783

Ion Ratio Lower Upper

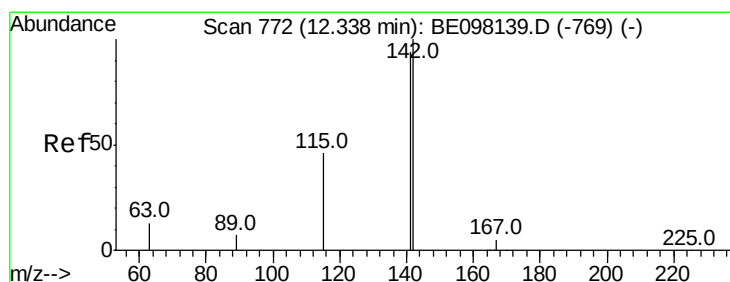
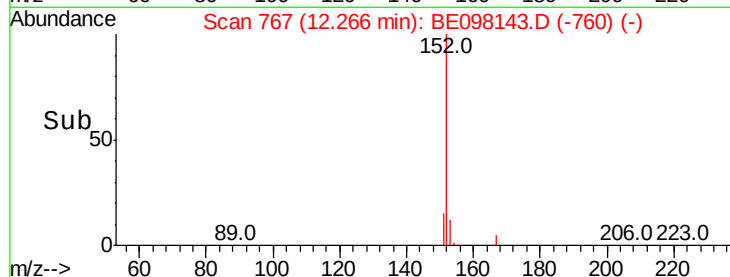
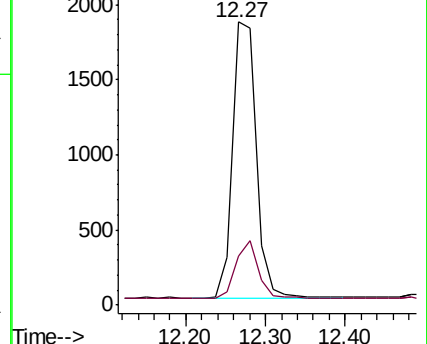
152 100

151 20.0 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: 0.382 ng

RT: 12.35 min Scan# 773

Delta R.T. 0.01 min

Lab File: BE098143.D

Acq: 1 Nov 2018 13:04

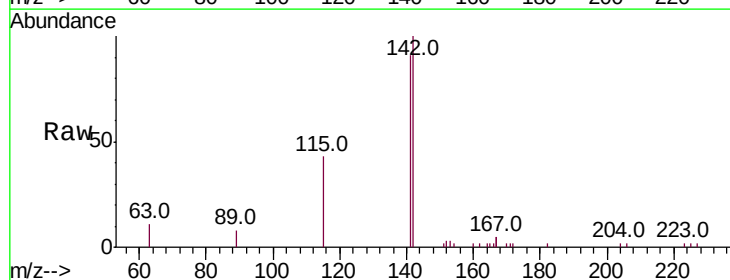
Tgt Ion:142 Resp: 3784

Ion Ratio Lower Upper

142 100

141 91.5 69.8 104.6

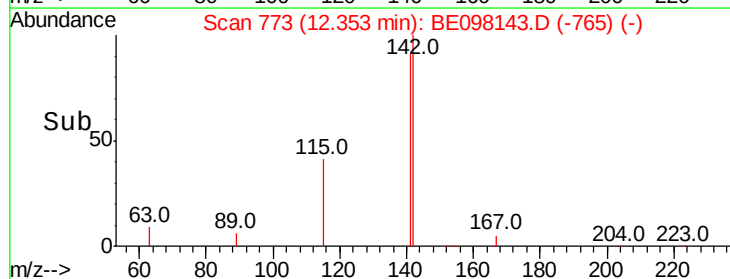
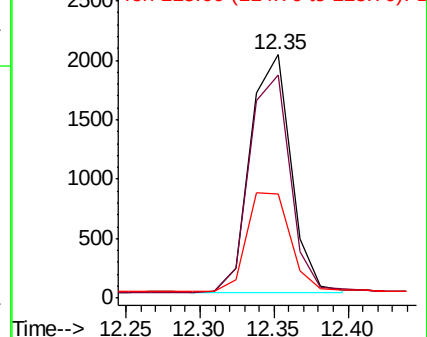
115 42.6 30.5 45.7



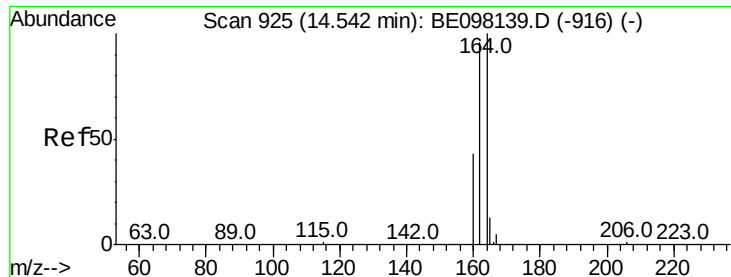
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



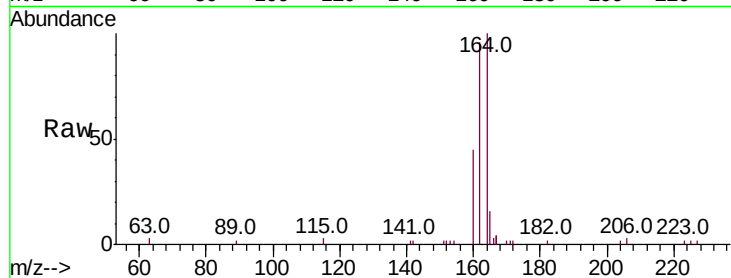




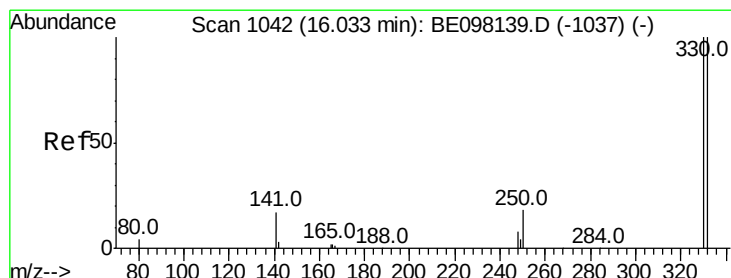
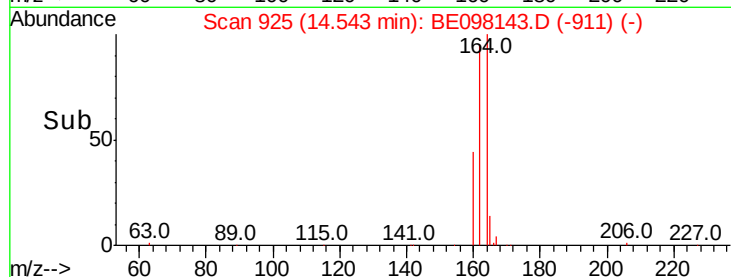
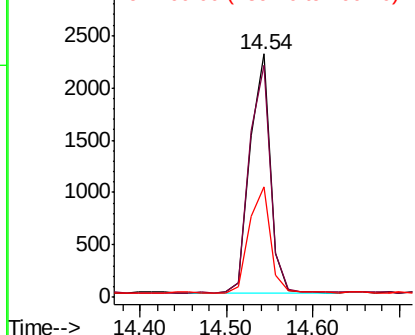
#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.54 min Scan# 925  
 Delta R.T. 0.00 min  
 Lab File: BE098143.D  
 Acq: 1 Nov 2018 13:04

Instrument :  
 BNA\_E  
 ClientSampleId :  
 ICVBE110118

Tot Ion:164 Resp: 3716  
 Ion Ratio Lower Upper  
 164 100  
 162 95.5 77.4 116.2  
 160 45.3 36.5 54.7

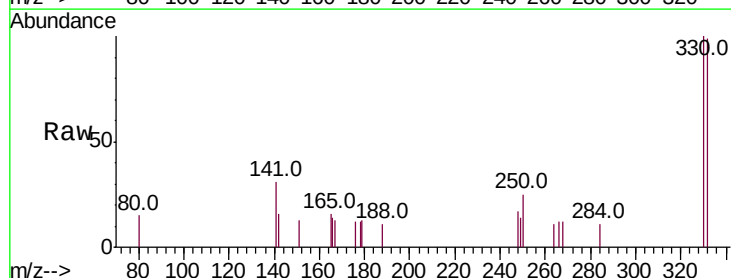


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

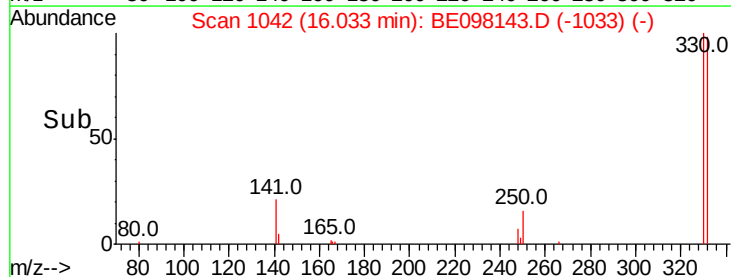
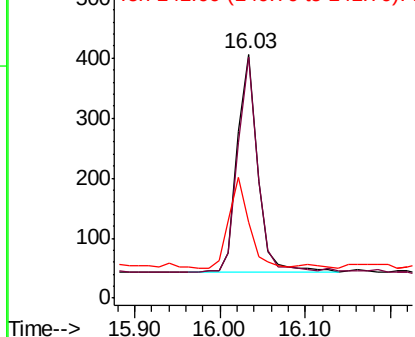


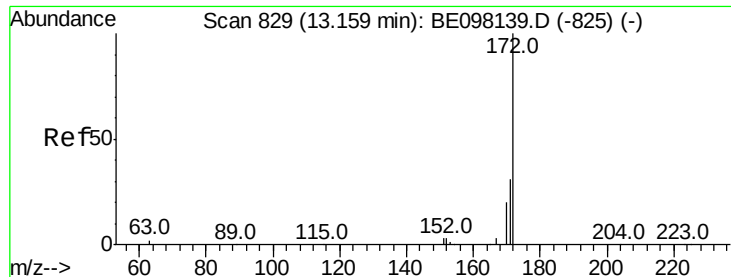
#14  
 2,4,6-Tribromophenol  
 Concen: 0.339 ng  
 RT: 16.03 min Scan# 1042  
 Delta R.T. 0.00 min  
 Lab File: BE098143.D  
 Acq: 1 Nov 2018 13:04

Tgt Ion:330 Resp: 596  
 Ion Ratio Lower Upper  
 330 100  
 332 97.5 76.5 114.7  
 141 43.1 31.8 47.6



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

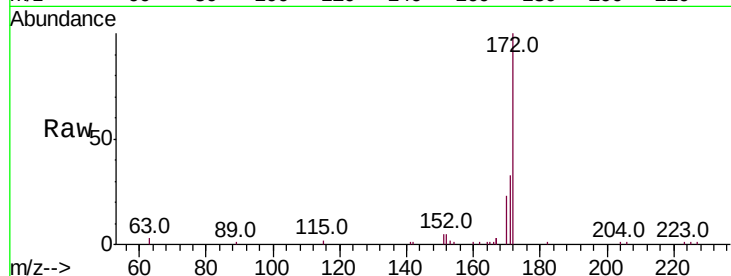




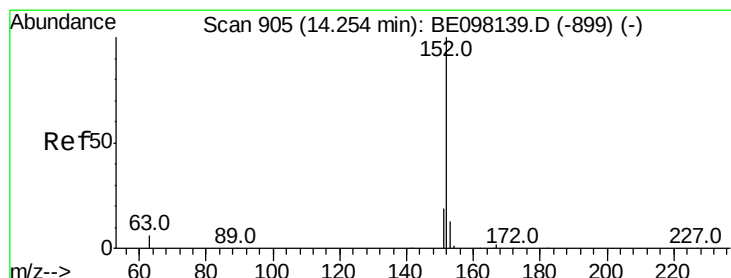
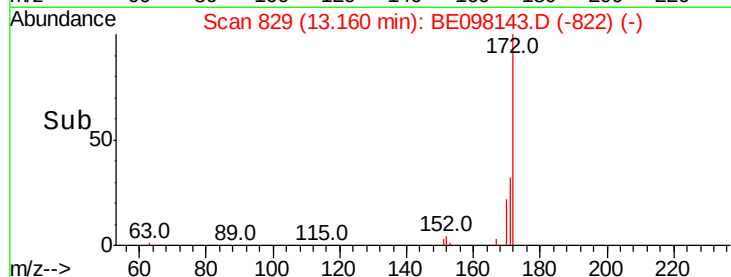
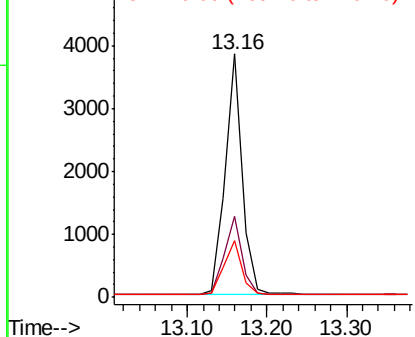
#15  
2-Fluorobiphenyl  
Concen: 0.373 ng  
RT: 13.16 min Scan# 829  
Delta R.T. 0.00 min  
Lab File: BE098143.D  
Acq: 1 Nov 2018 13:04

Instrument :  
BNA\_E  
ClientSampleId :  
ICVBE110118

Tot Ion:172 Resp: 5695  
Ion Ratio Lower Upper  
172 100  
171 33.4 26.0 39.0  
170 23.4 18.0 27.0

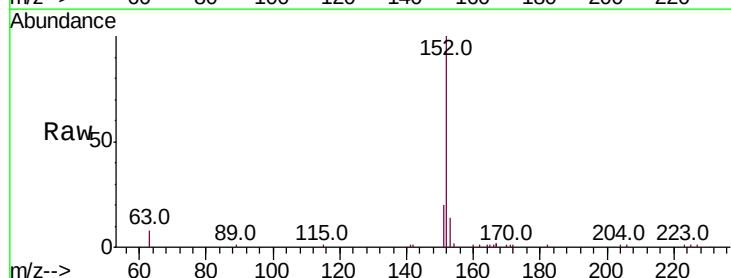


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

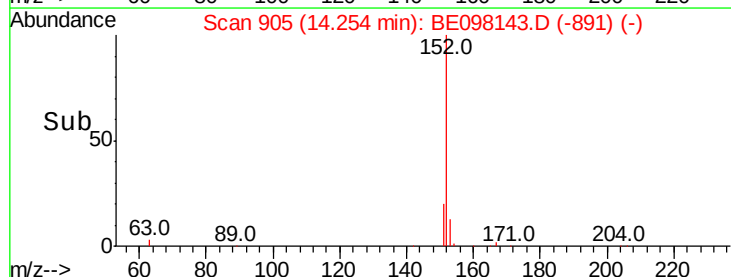
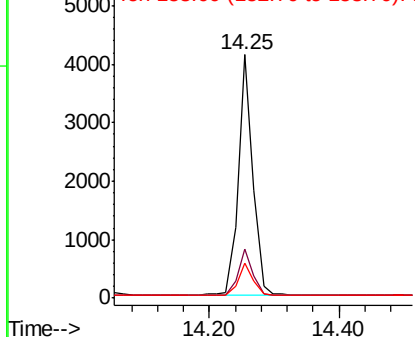


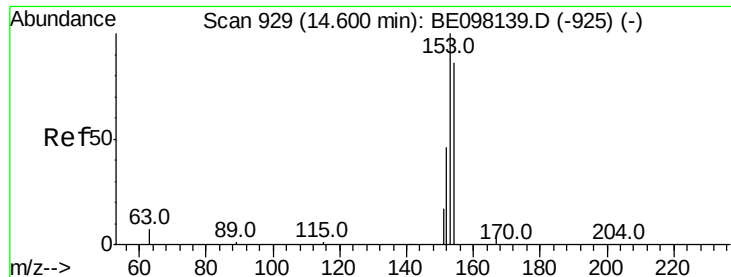
#16  
Acenaphthylene  
Concen: 0.378 ng  
RT: 14.25 min Scan# 905  
Delta R.T. 0.00 min  
Lab File: BE098143.D  
Acq: 1 Nov 2018 13:04

Tgt Ion:152 Resp: 6404  
Ion Ratio Lower Upper  
152 100  
151 19.5 16.1 24.1  
153 13.6 10.9 16.3



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: 0.394 ng

RT: 14.60 min Scan# 929

Delta R.T. 0.00 min

Lab File: BE098143.D

Acq: 1 Nov 2018 13:04

Instrument :

BNA\_E

ClientSampleId :

ICVBE110118

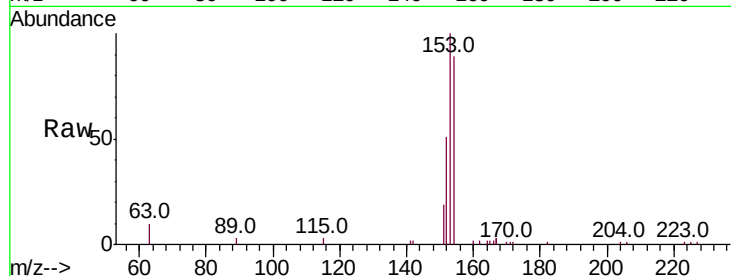
Tot Ion:154 Resp: 4007

Ion Ratio Lower Upper

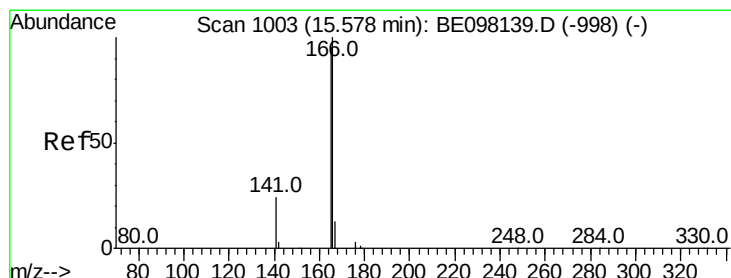
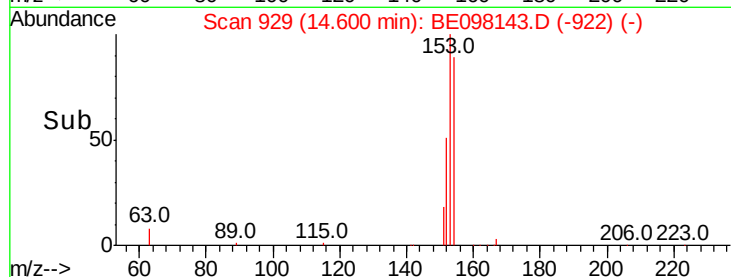
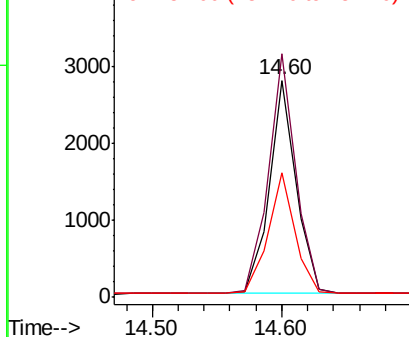
154 100

153 115.0 92.6 139.0

152 57.1 45.5 68.3



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: 0.380 ng

RT: 15.58 min Scan# 1003

Delta R.T. 0.00 min

Lab File: BE098143.D

Acq: 1 Nov 2018 13:04

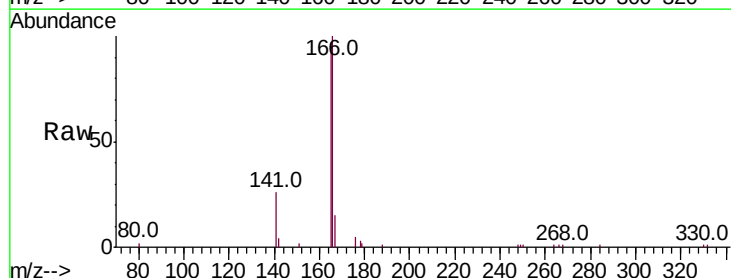
Tgt Ion:166 Resp: 5127

Ion Ratio Lower Upper

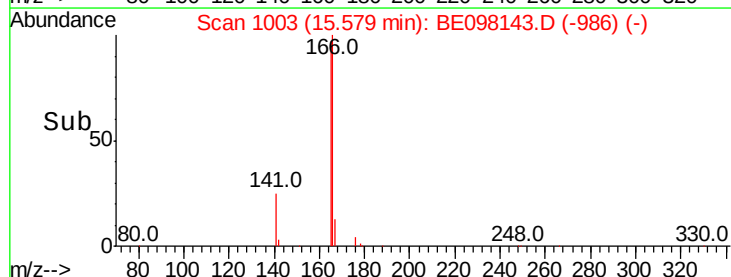
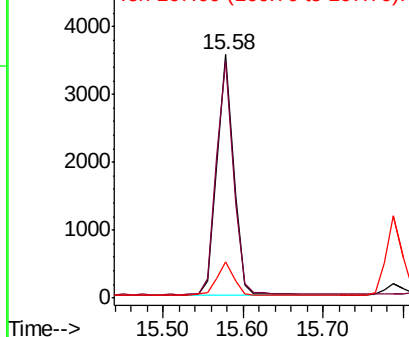
166 100

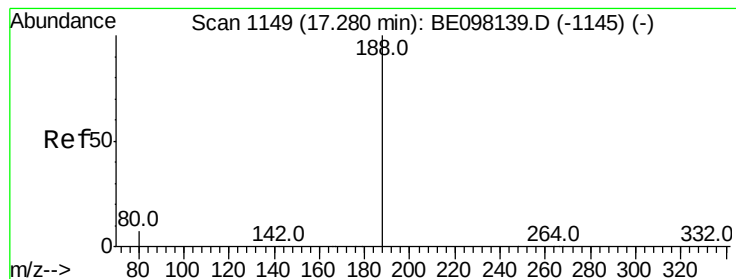
165 100.0 78.2 117.4

167 13.7 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: 17.28 min Scan# 1149

Delta R.T. 0.00 min

Lab File: BE098143.D

Acq: 1 Nov 2018 13:04

Instrument :

BNA\_E

ClientSampleId :

ICVBE110118

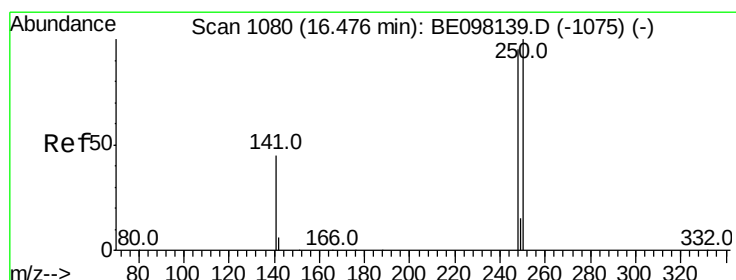
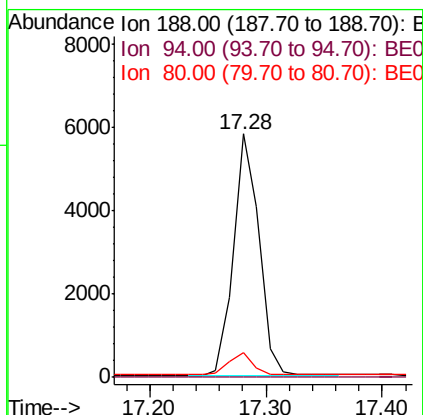
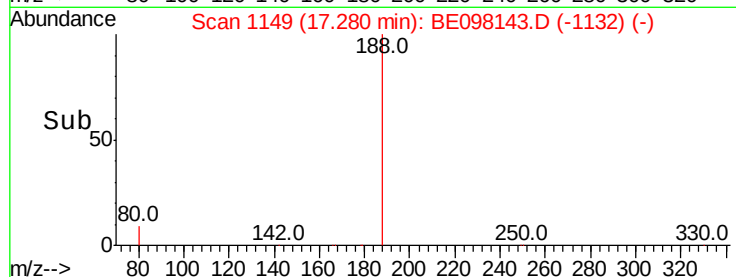
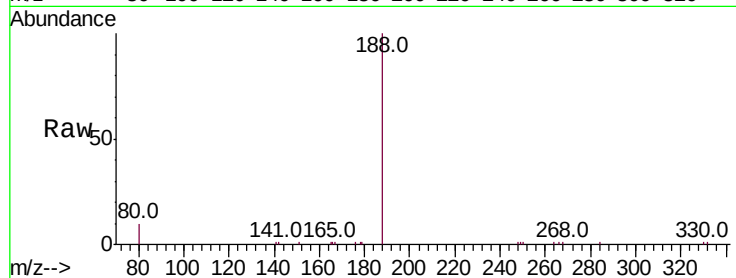
Tot Ion:188 Resp: 8823

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.2 6.3 9.5#



#20

4-Bromophenyl-phenylether

Concen: 0.374 ng

RT: 16.48 min Scan# 1080

Delta R.T. 0.00 min

Lab File: BE098143.D

Acq: 1 Nov 2018 13:04

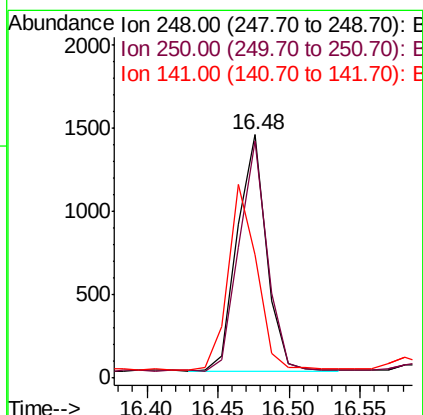
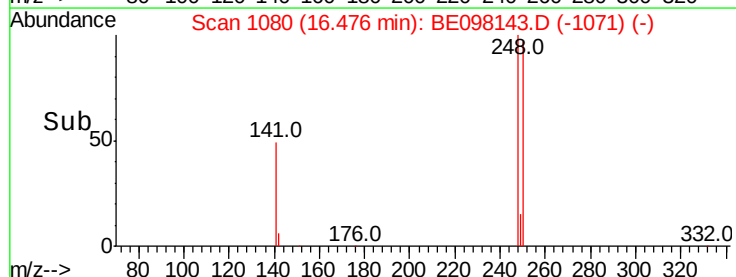
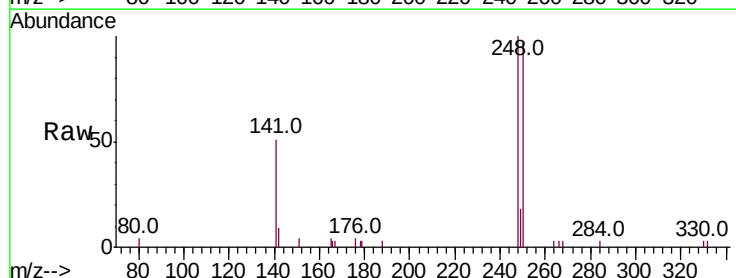
Tgt Ion:248 Resp: 2014

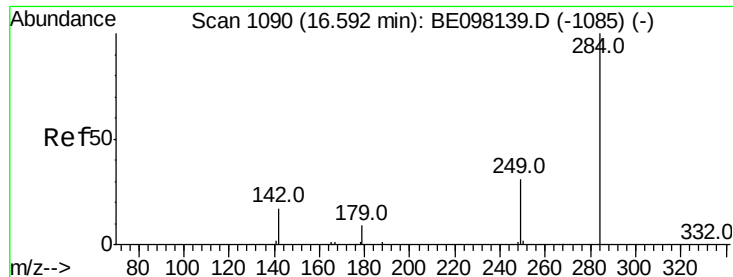
Ion Ratio Lower Upper

248 100

250 97.4 75.1 112.7

141 50.7 51.8 77.8#





#21

Hexachlorobenzene

Concen: 0.380 ng

RT: 16.59 min Scan# 1090

Delta R.T. 0.00 min

Lab File: BE098143.D

Acq: 1 Nov 2018 13:04

Instrument :

BNA\_E

ClientSampleId :

ICVBE110118

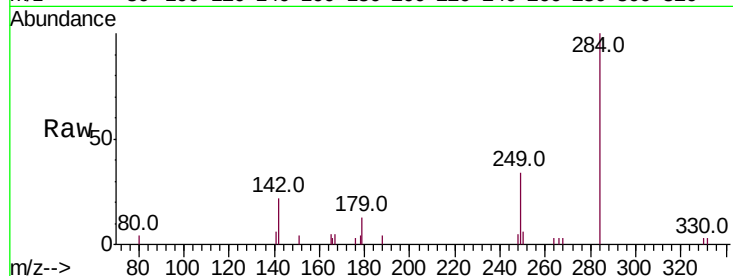
Tot Ion:284 Resp: 2137

Ion Ratio Lower Upper

284 100

142 32.9 25.9 38.9

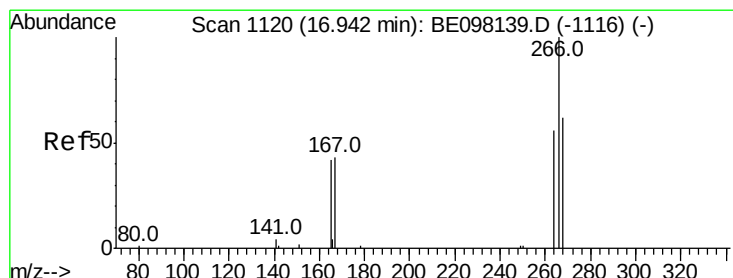
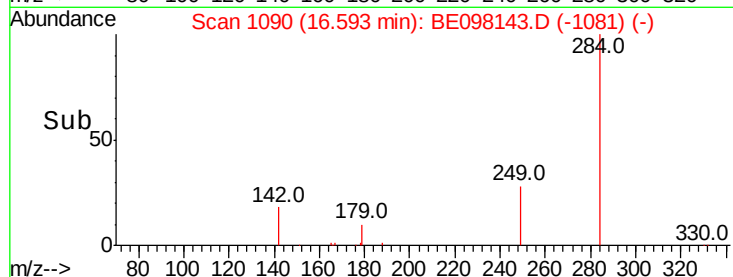
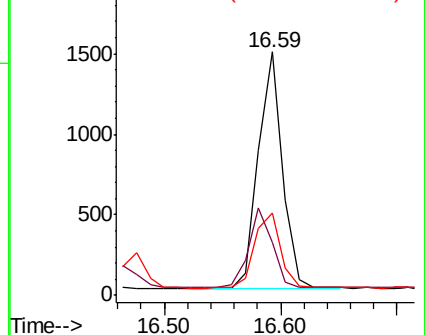
249 34.1 26.6 40.0



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: 0.349 ng

RT: 16.94 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE098143.D

Acq: 1 Nov 2018 13:04

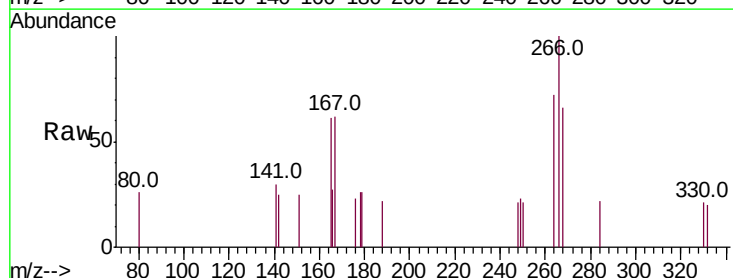
Tgt Ion:266 Resp: 357

Ion Ratio Lower Upper

266 100

264 71.7 51.3 76.9

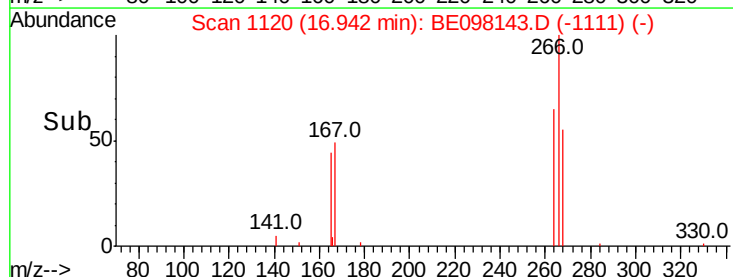
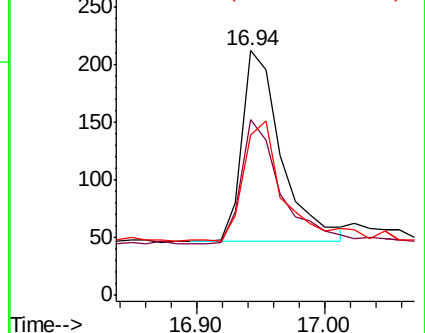
268 65.6 50.1 75.1

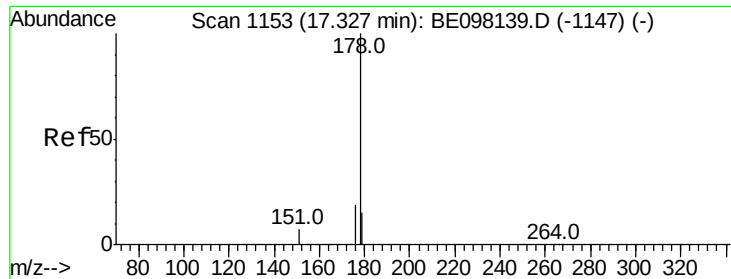


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.372 ng

RT: 17.33 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BE098143.D

Acq: 1 Nov 2018 13:04

Instrument :

BNA\_E

ClientSampleId :

ICVBE110118

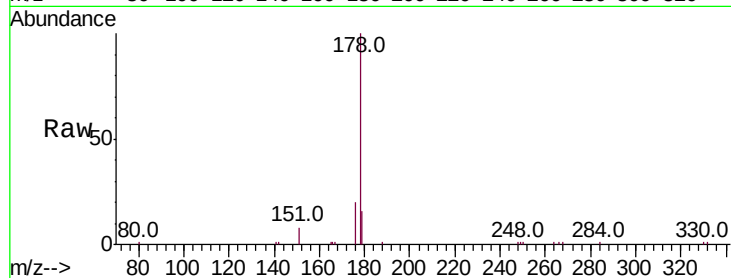
Tot Ion:178 Resp: 8134

Ion Ratio Lower Upper

178 100

176 19.7 15.5 23.3

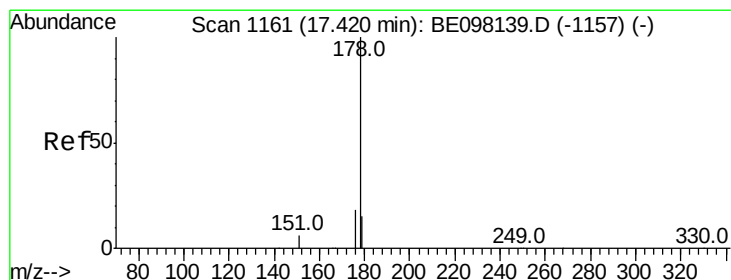
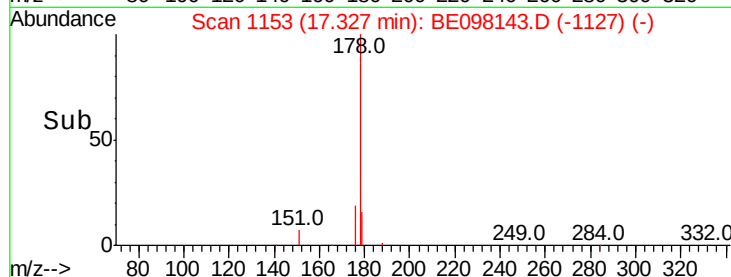
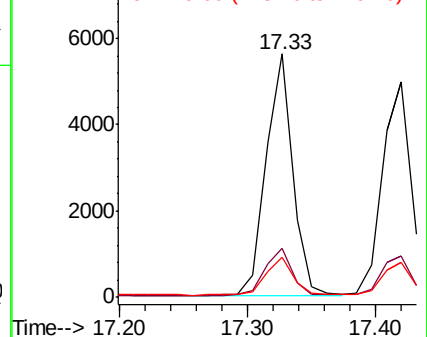
179 16.1 12.2 18.4



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: 0.375 ng

RT: 17.42 min Scan# 1161

Delta R.T. 0.00 min

Lab File: BE098143.D

Acq: 1 Nov 2018 13:04

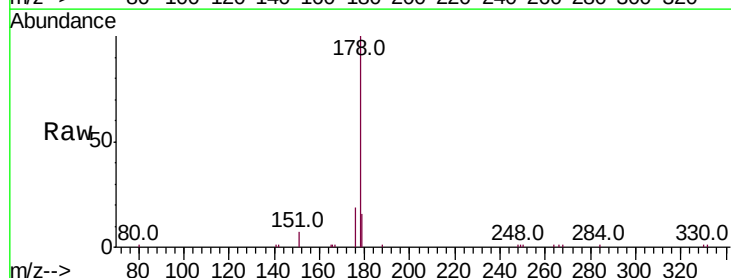
Tgt Ion:178 Resp: 7801

Ion Ratio Lower Upper

178 100

176 19.0 14.9 22.3

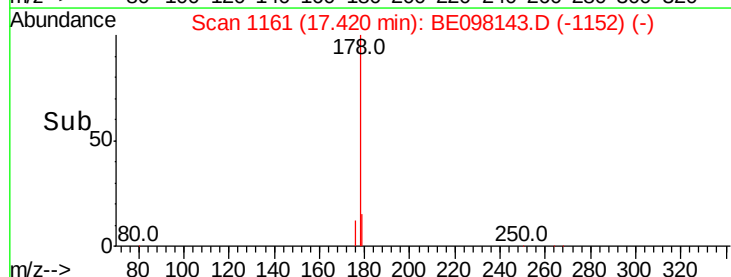
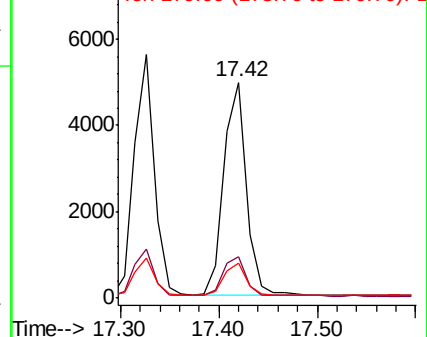
179 14.9 11.9 17.9

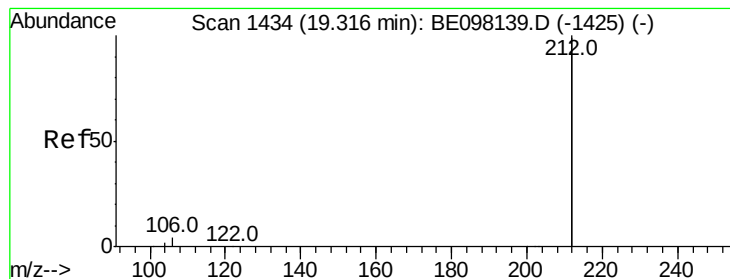


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.365 ng

RT: 19.32 min Scan# 1434

Delta R.T. -0.00 min

Lab File: BE098143.D

Acq: 1 Nov 2018 13:04

Instrument :

BNA\_E

ClientSampleId :

ICVBE110118

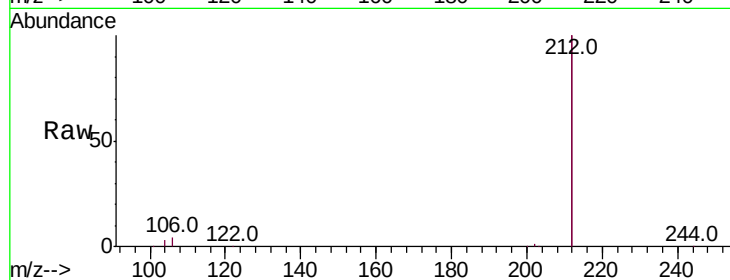
Tot Ion:212 Resp: 41530

Ion Ratio Lower Upper

212 100

106 2.1 2.3 3.5#

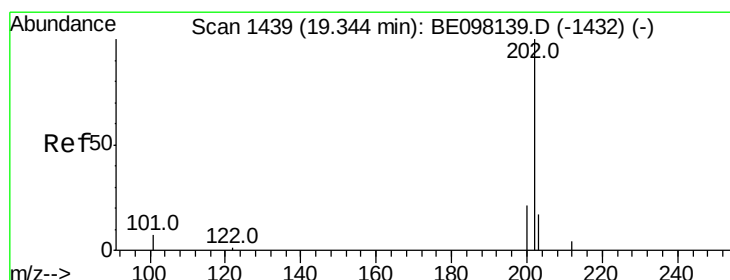
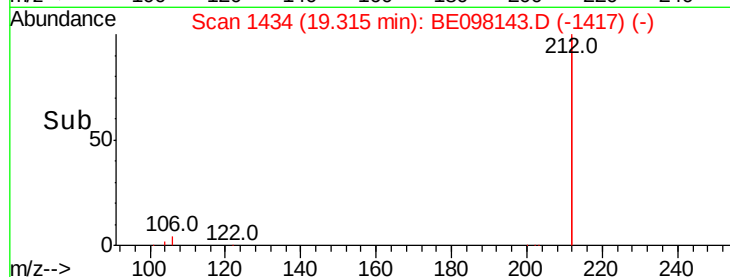
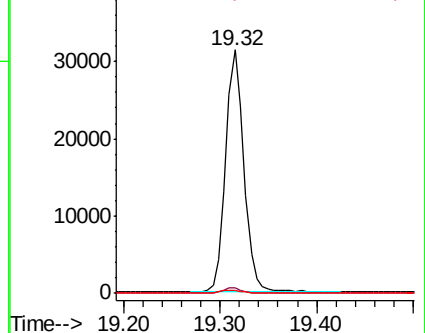
104 1.2 1.3 1.9#



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: 0.369 ng

RT: 19.34 min Scan# 1439

Delta R.T. -0.00 min

Lab File: BE098143.D

Acq: 1 Nov 2018 13:04

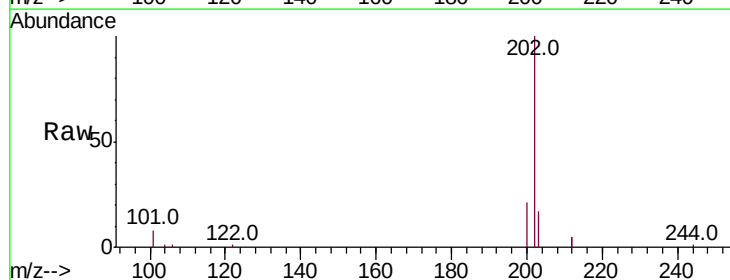
Tgt Ion:202 Resp: 10111

Ion Ratio Lower Upper

202 100

101 8.4 8.2 12.2

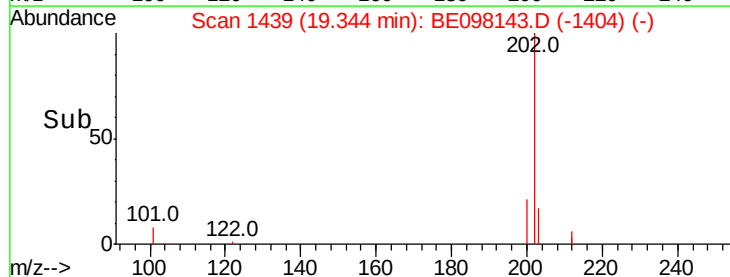
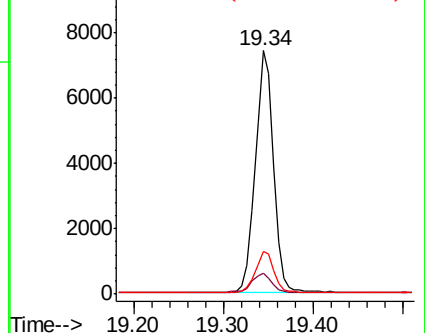
203 16.9 15.0 22.4

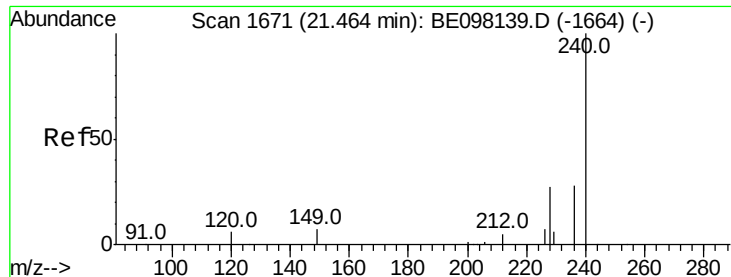


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.46 min Scan# 1671

Delta R.T. -0.00 min

Lab File: BE098143.D

Acq: 1 Nov 2018 13:04

Instrument :

BNA\_E

ClientSampleId :

ICVBE110118

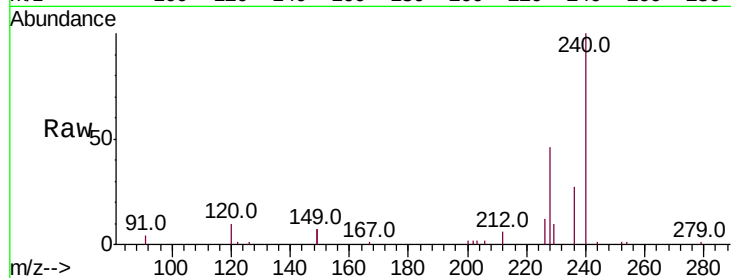
Tot Ion:240 Resp: 10388

Ion Ratio Lower Upper

240 100

120 9.8 7.1 10.7

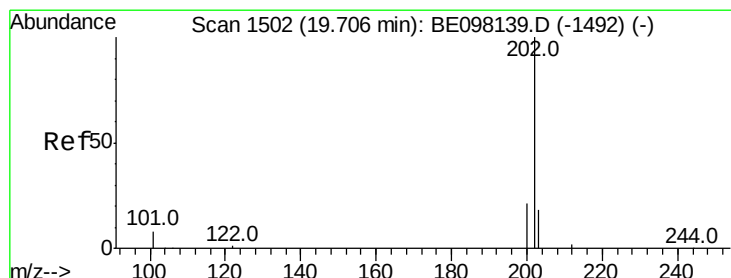
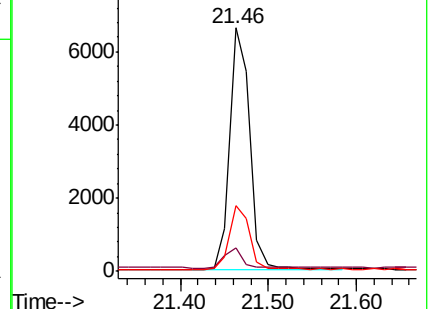
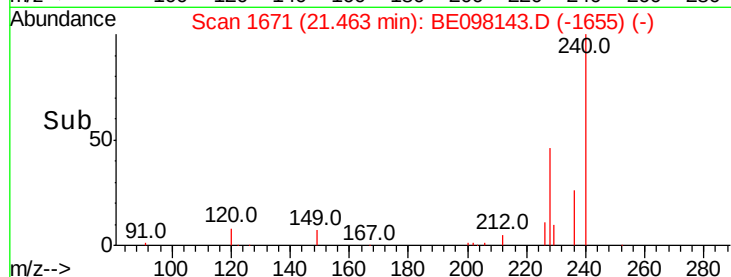
236 27.1 21.3 31.9



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: 0.372 ng

RT: 19.71 min Scan# 1502

Delta R.T. -0.00 min

Lab File: BE098143.D

Acq: 1 Nov 2018 13:04

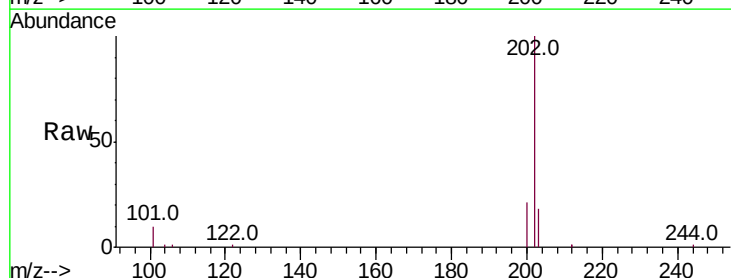
Tgt Ion:202 Resp: 10547

Ion Ratio Lower Upper

202 100

200 21.4 17.0 25.4

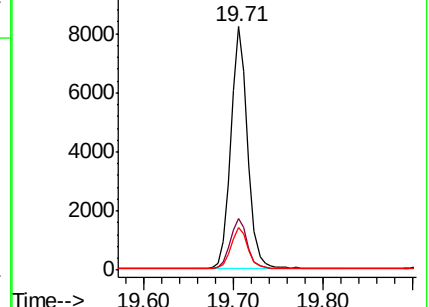
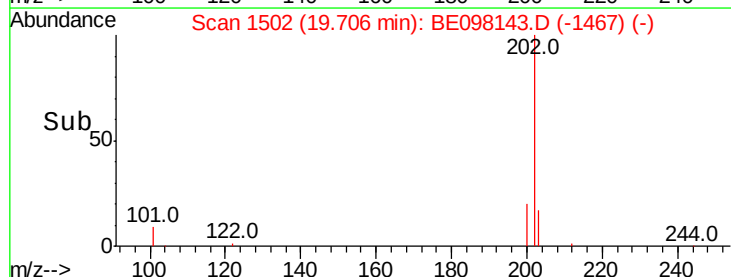
203 17.4 14.2 21.4



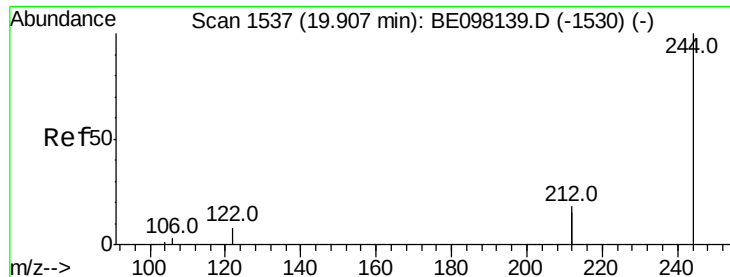
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E







#29

Terphenyl-d14

Concen: 0.362 ng

RT: 19.91 min Scan# 1538

Delta R.T. 0.01 min

Lab File: BE098143.D

Acq: 1 Nov 2018 13:04

Instrument :

BNA\_E

ClientSampleId :

ICVBE110118

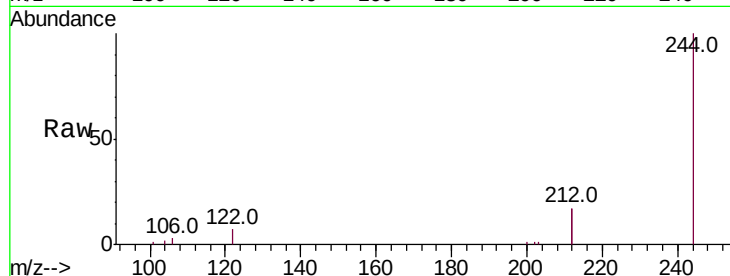
Tot Ion:244 Resp: 8744

Ion Ratio Lower Upper

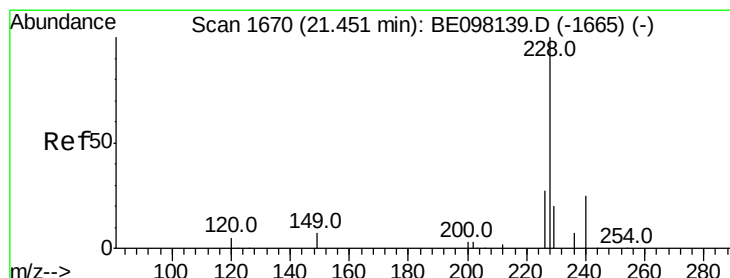
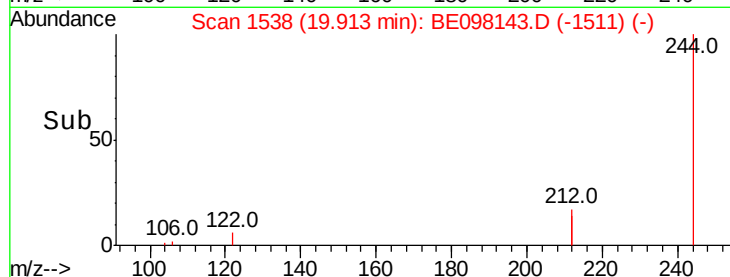
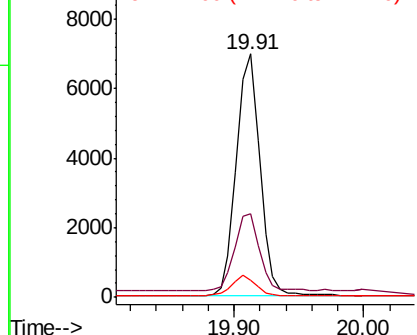
244 100

212 34.1 26.2 39.2

122 7.2 7.7 11.5#



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: 0.368 ng

RT: 21.45 min Scan# 1670

Delta R.T. -0.00 min

Lab File: BE098143.D

Acq: 1 Nov 2018 13:04

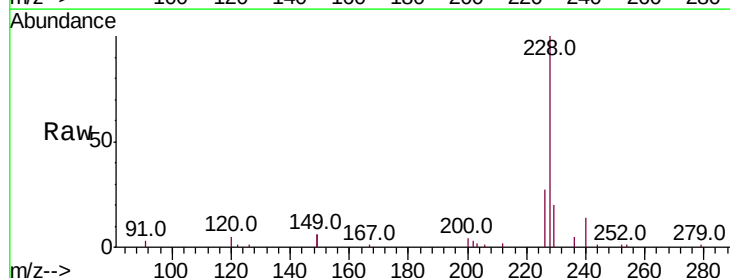
Tgt Ion:228 Resp: 11188

Ion Ratio Lower Upper

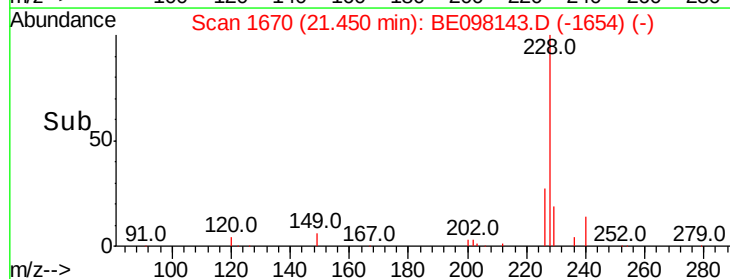
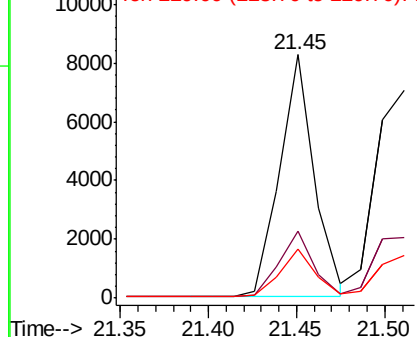
228 100

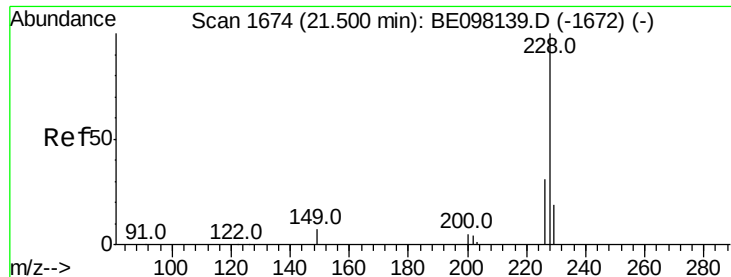
226 27.3 22.6 33.8

229 19.9 16.9 25.3



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: 0.370 ng

RT: 21.51 min Scan# 1675

Delta R.T. 0.01 min

Lab File: BE098143.D

Acq: 1 Nov 2018 13:04

Instrument :

BNA\_E

ClientSampleId :

ICVBE110118

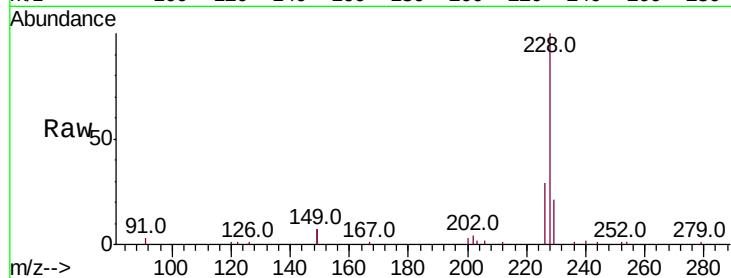
Tot Ion:228 Resp: 11113

Ion Ratio Lower Upper

228 100

226 29.4 24.3 36.5

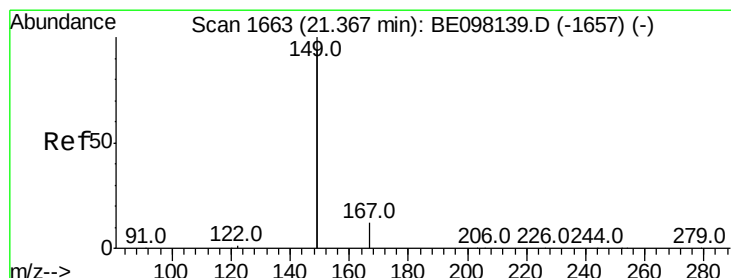
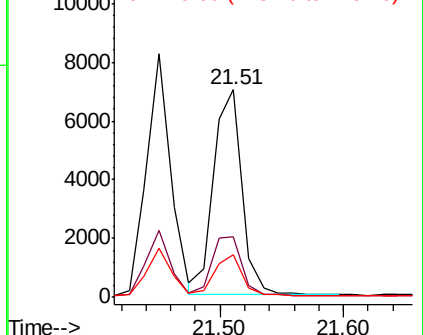
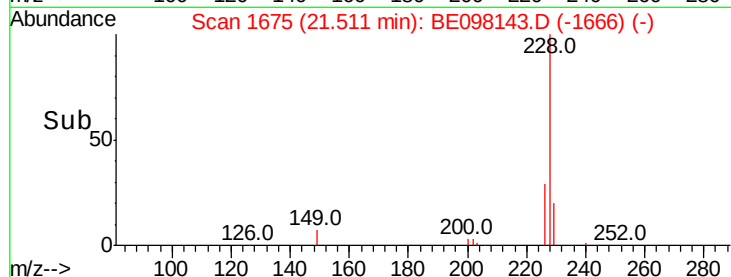
229 20.5 17.3 25.9



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: 0.390 ng

RT: 21.38 min Scan# 1664

Delta R.T. 0.01 min

Lab File: BE098143.D

Acq: 1 Nov 2018 13:04

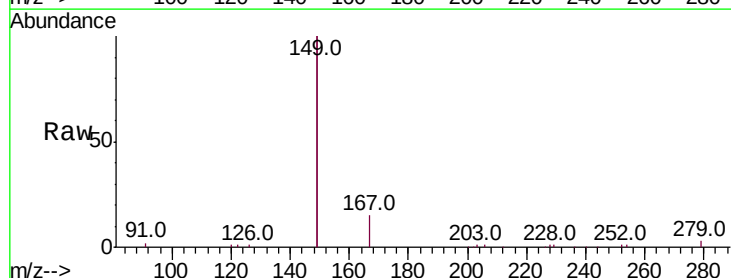
Tgt Ion:149 Resp: 36268

Ion Ratio Lower Upper

149 100

167 6.9 5.6 8.4

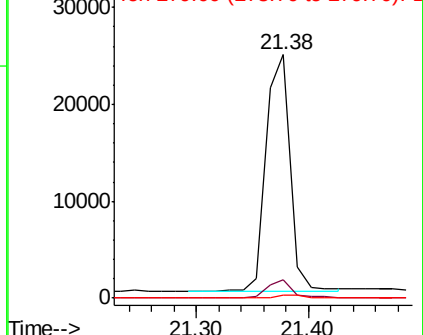
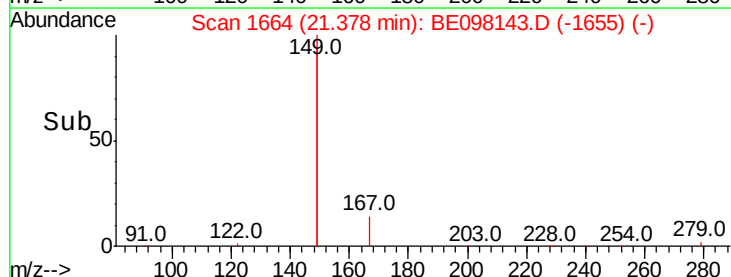
279 1.2 0.9 1.3

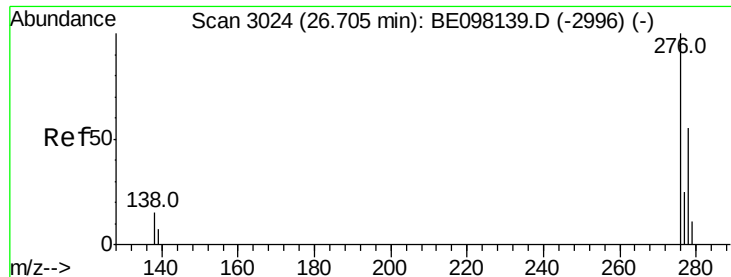


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.375 ng

RT: 26.71 min Scan# 3024

Delta R.T. 0.00 min

Lab File: BE098143.D

Acq: 1 Nov 2018 13:04

Instrument :

BNA\_E

ClientSampleId :

ICVBE110118

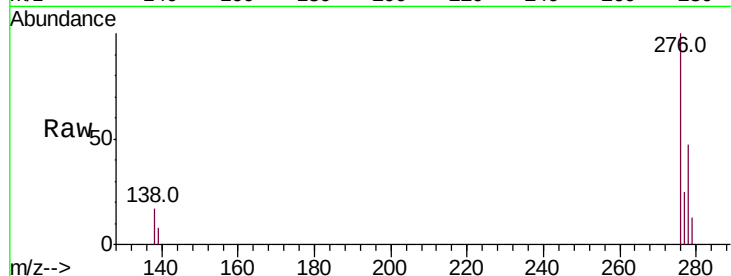
Tot Ion:276 Resp: 11703

Ion Ratio Lower Upper

276 100

138 6.5 17.0 25.6#

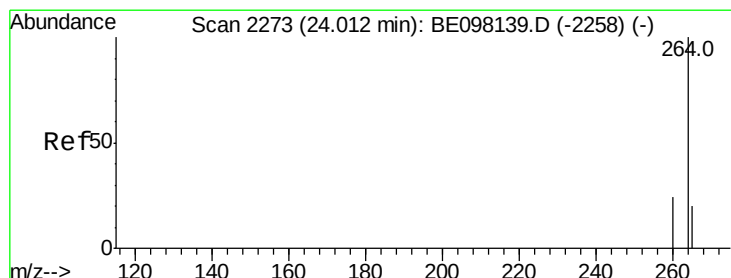
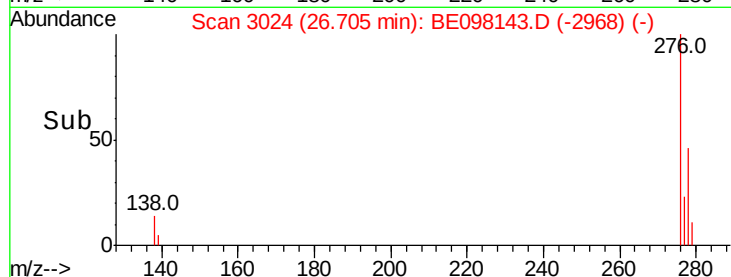
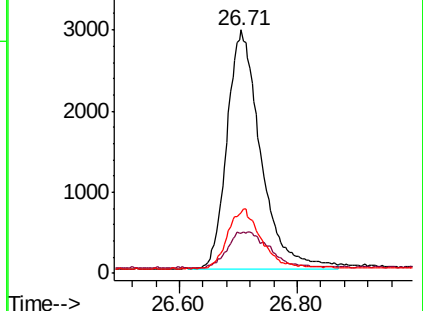
277 25.0 20.5 30.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 24.02 min Scan# 2274

Delta R.T. 0.00 min

Lab File: BE098143.D

Acq: 1 Nov 2018 13:04

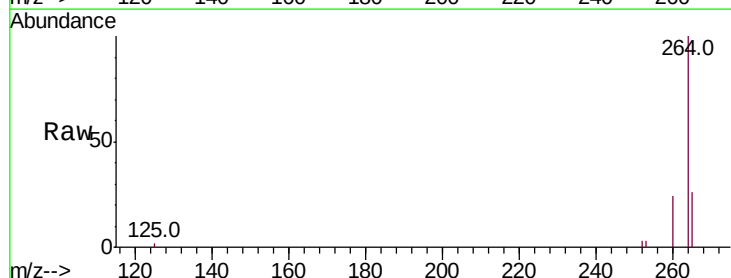
Tgt Ion:264 Resp: 10009

Ion Ratio Lower Upper

264 100

260 24.1 21.1 31.7

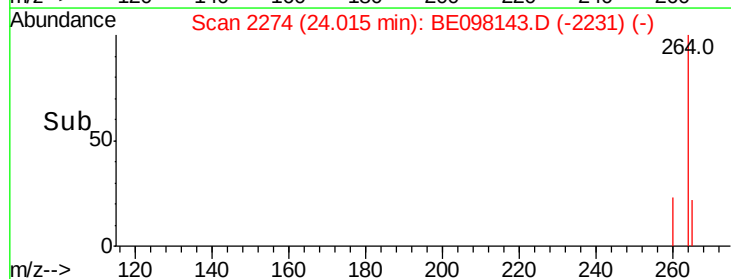
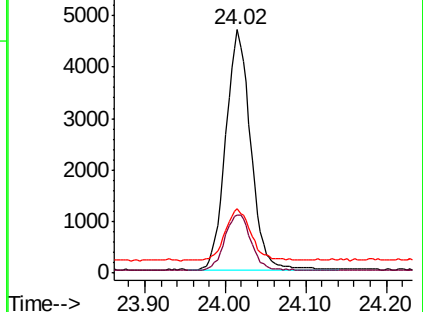
265 26.5 29.2 43.8#

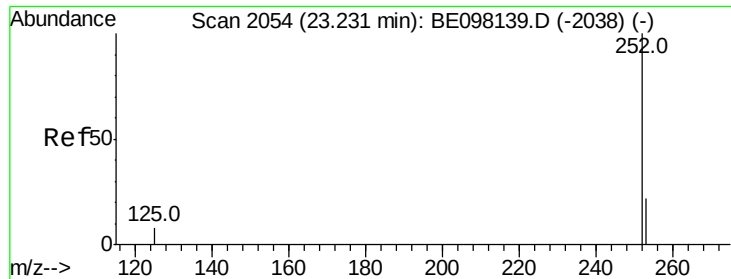


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.377 ng

RT: 23.23 min Scan# 2054

Delta R.T. 0.00 min

Lab File: BE098143.D

Acq: 1 Nov 2018 13:04

Instrument :

BNA\_E

ClientSampleId :

ICVBE110118

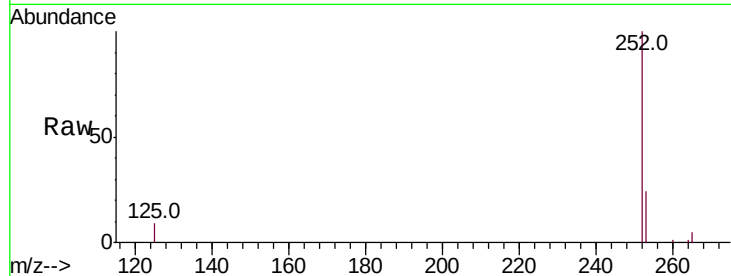
Tot Ion:252 Resp: 10633

Ion Ratio Lower Upper

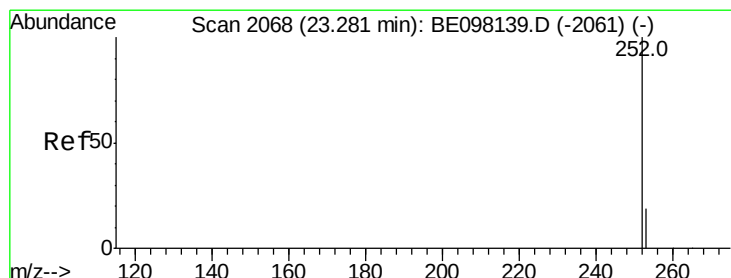
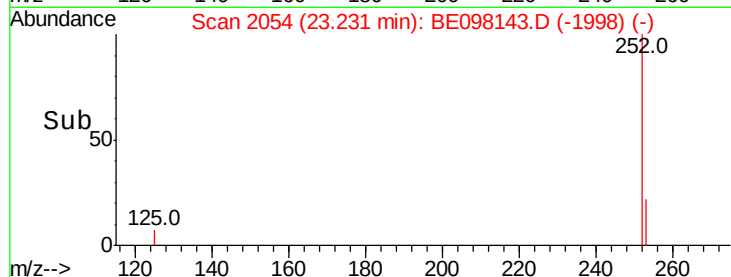
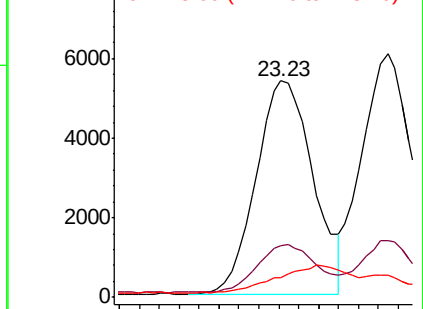
252 100

253 23.6 20.6 31.0

125 9.3 14.3 21.5#



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: 0.377 ng

RT: 23.28 min Scan# 2069

Delta R.T. 0.00 min

Lab File: BE098143.D

Acq: 1 Nov 2018 13:04

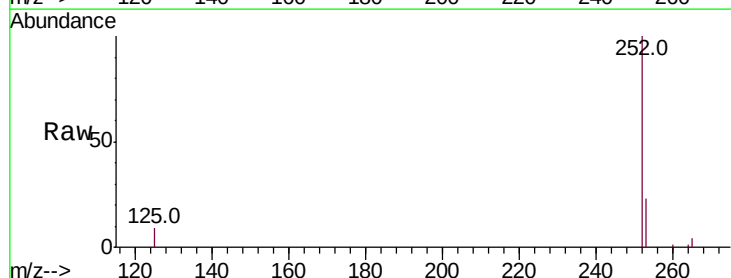
Tgt Ion:252 Resp: 10992

Ion Ratio Lower Upper

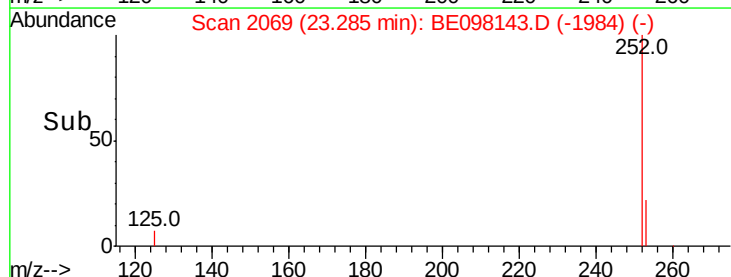
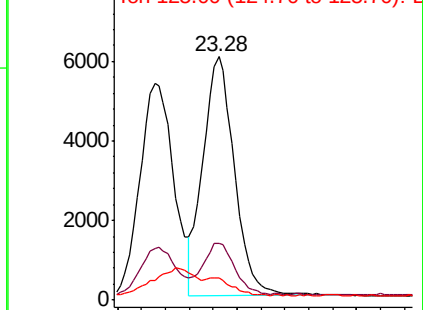
252 100

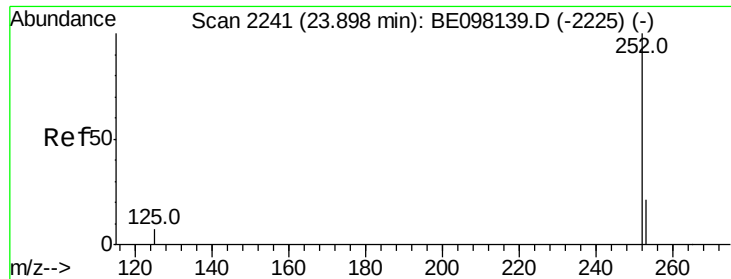
253 23.5 20.4 30.6

125 9.3 14.6 21.8#



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





#37

Benzo(a)pyrene

Concen: 0.371 ng

RT: 23.90 min Scan# 2242

Delta R.T. 0.00 min

Lab File: BE098143.D

Acq: 1 Nov 2018 13:04

Instrument :

BNA\_E

ClientSampleId :

ICVBE110118

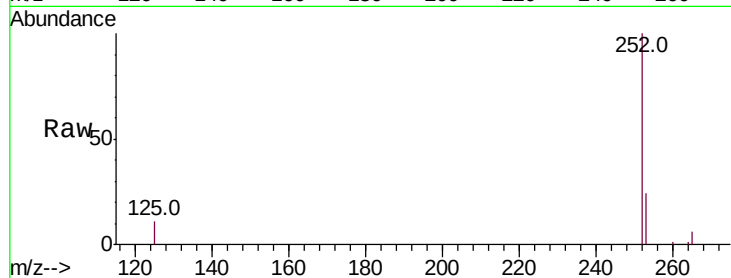
Tot Ion:252 Resp: 10217

Ion Ratio Lower Upper

252 100

253 24.1 20.6 31.0

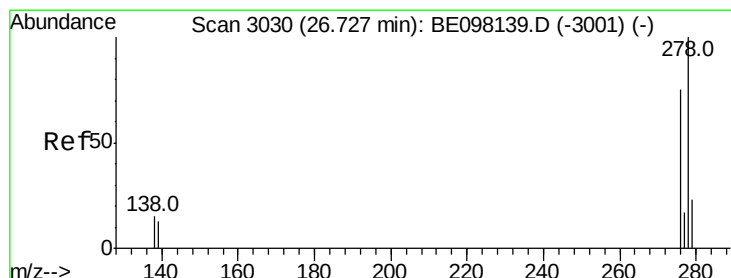
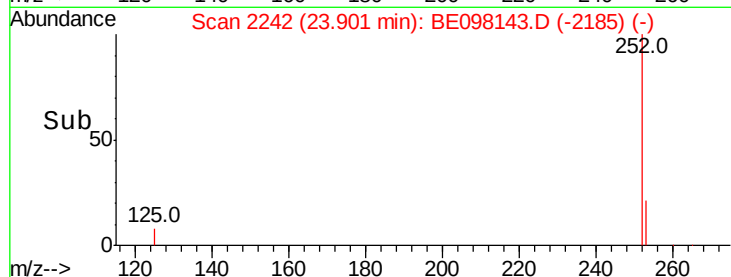
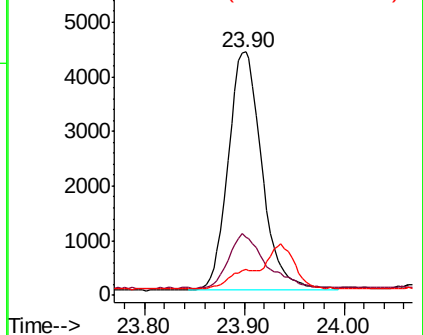
125 10.8 15.6 23.4#



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: 0.371 ng

RT: 26.73 min Scan# 3031

Delta R.T. 0.00 min

Lab File: BE098143.D

Acq: 1 Nov 2018 13:04

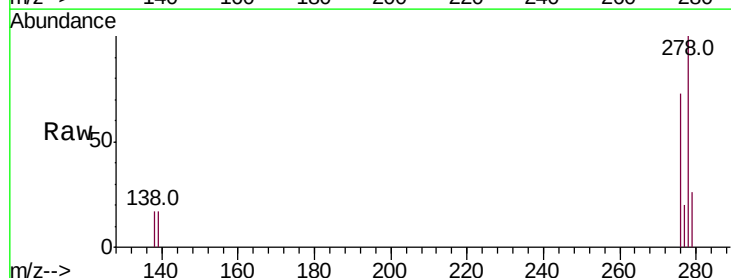
Tgt Ion:278 Resp: 9535

Ion Ratio Lower Upper

278 100

139 17.3 16.3 24.5

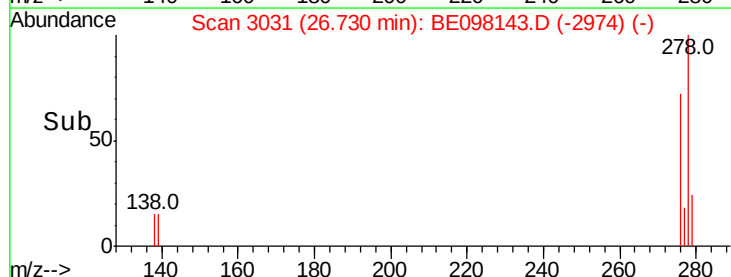
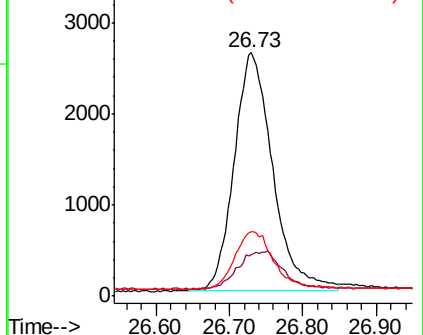
279 26.3 21.4 32.2

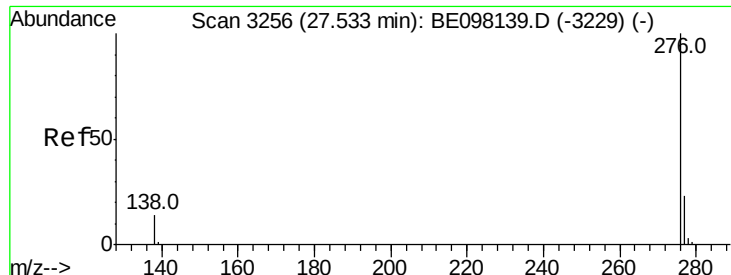


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.370 ng

RT: 27.53 min Scan# 3256

Delta R.T. 0.00 min

Lab File: BE098143.D

Acq: 1 Nov 2018 13:04

Instrument :

BNA\_E

ClientSampleId :

ICVBE110118

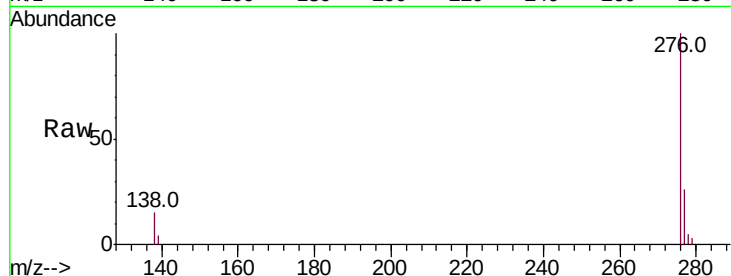
Tot Ion:276 Resp: 9466

Ion Ratio Lower Upper

276 100

277 25.9 22.1 33.1

138 15.4 19.3 28.9#



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

