

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071619\  
 Data File : BE100437.D  
 Acq On : 16 Jul 2019 9:08  
 Operator : HP/JU  
 Sample : SSTDICC0.2  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Jul 16 12:58:31 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE071619.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 16 12:52:21 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.88  | 152  | 4364     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.68 | 136  | 17657    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.51 | 164  | 8981     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.23 | 188  | 23668    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.39 | 240  | 25592    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.89 | 264  | 24203    | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.47  | 112  | 1650     | 0.19 | ng    | 0.00     |
| 5) Phenol-d6                | 7.04  | 99   | 2490     | 0.19 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 9.03  | 82   | 1776     | 0.20 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 12.27 | 152  | 5127     | 0.13 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 15.98 | 330  | 328      | 0.14 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 13.15 | 172  | 8442     | 0.21 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 19.25 | 212  | 54166    | 0.13 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.85 | 244  | 12676    | 0.20 | ng    | 0.00     |

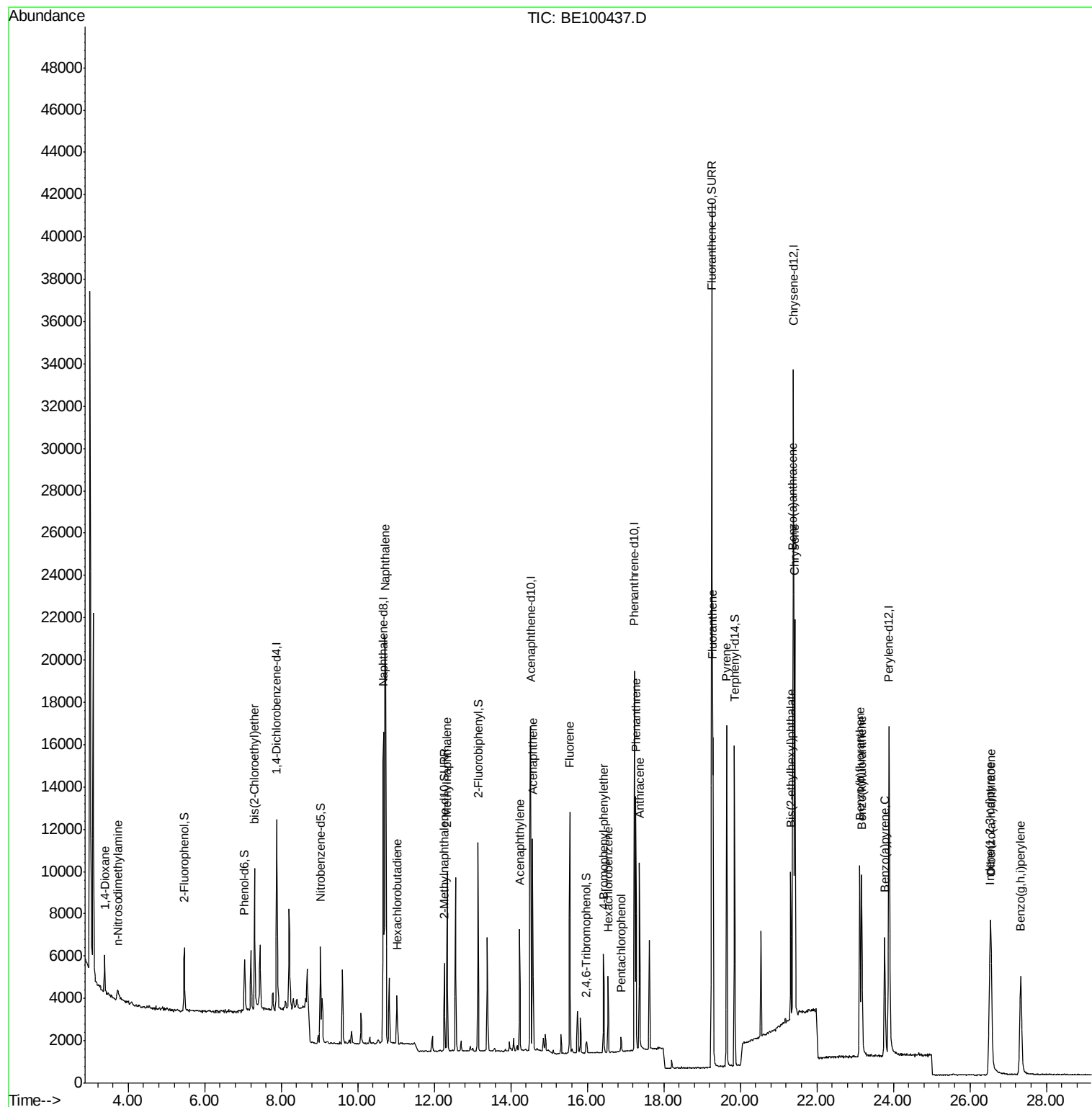
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.38  | 88   | 1115     | 0.177 | ng    | # 80   |
| 3) n-Nitrosodimethylamine      | 3.73  | 42   | 596      | 0.155 | ng    | # 85   |
| 6) bis(2-Chloroethyl)ether     | 7.31  | 93   | 2521     | 0.203 | ng    | 99     |
| 9) Naphthalene                 | 10.72 | 128  | 33940    | 0.197 | ng    | 100    |
| 10) Hexachlorobutadiene        | 11.03 | 225  | 1667     | 0.203 | ng    | 99     |
| 12) 2-Methylnaphthalene        | 12.34 | 142  | 5620     | 0.194 | ng    | 98     |
| 16) Acenaphthylene             | 14.23 | 152  | 6691     | 0.180 | ng    | 99     |
| 17) Acenaphthene               | 14.57 | 154  | 4817     | 0.190 | ng    | 99     |
| 18) Fluorene                   | 15.54 | 166  | 5999     | 0.184 | ng    | 97     |
| 20) 4-Bromophenyl-phenylether  | 16.43 | 248  | 2210     | 0.183 | ng    | 97     |
| 21) Hexachlorobenzene          | 16.55 | 284  | 2686     | 0.194 | ng    | 96     |
| 22) Pentachlorophenol          | 16.88 | 266  | 422      | 0.155 | ng    | 97     |
| 23) Phenanthrene               | 17.27 | 178  | 12087    | 0.197 | ng    | 100    |
| 24) Anthracene                 | 17.36 | 178  | 9263     | 0.178 | ng    | 99     |
| 26) Fluoranthene               | 19.28 | 202  | 14832    | 0.186 | ng    | 99     |
| 28) Pyrene                     | 19.64 | 202  | 14687    | 0.196 | ng    | 100    |
| 30) Benzo(a)anthracene         | 21.38 | 228  | 12484    | 0.178 | ng    | 99     |
| 31) Chrysene                   | 21.43 | 228  | 16736    | 0.203 | ng    | 100    |
| 32) Bis(2-ethylhexyl)phthalate | 21.32 | 149  | 8624     | 0.161 | ng    | 99     |
| 33) Indeno(1,2,3-cd)pyrene     | 26.52 | 276  | 13198    | 0.177 | ng    | 100    |
| 35) Benzo(b)fluoranthene       | 23.13 | 252  | 13304    | 0.175 | ng    | 98     |
| 36) Benzo(k)fluoranthene       | 23.17 | 252  | 14166    | 0.178 | ng    | 97     |
| 37) Benzo(a)pyrene             | 23.77 | 252  | 10299    | 0.162 | ng    | 96     |
| 38) Dibenzo(a,h)anthracene     | 26.55 | 278  | 10835    | 0.163 | ng    | 98     |
| 39) Benzo(g,h,i)perylene       | 27.33 | 276  | 12237    | 0.177 | ng    | 97     |

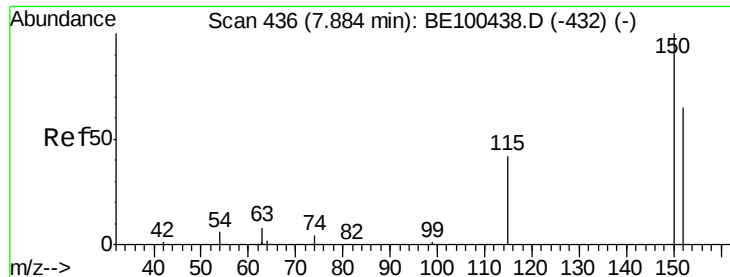
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
BNA\_E  
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QLast Update : Tue Jul 16 12:52:21 2019  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.88 min Scan# 436

Delta R.T. -0.00 min

Lab File: BE100437.D

Acq: 16 Jul 2019 9:08

Instrument :

BNA\_E

ClientSampleId :

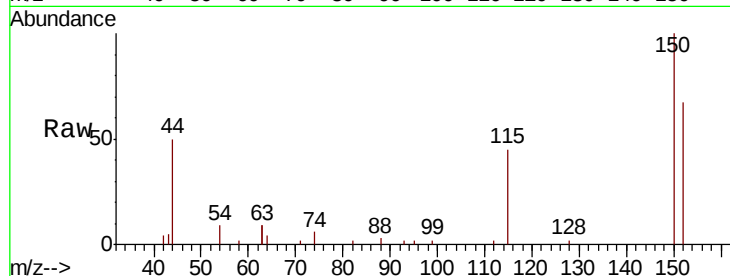
Tot Ion:152 Resp: 4364

Ion Ratio Lower Upper

152 100

150 150.3 121.7 182.5

115 67.0 52.4 78.6

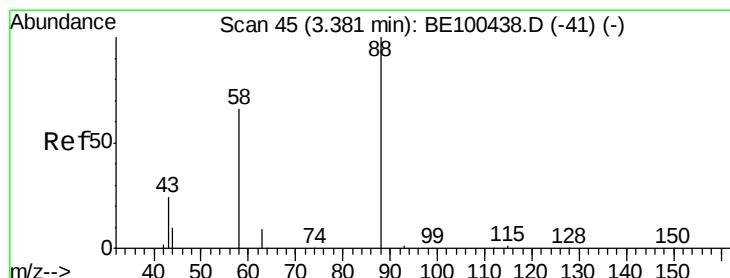
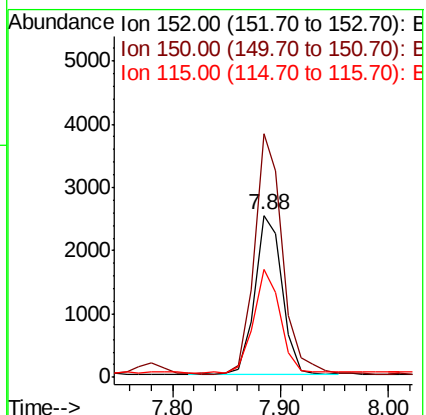
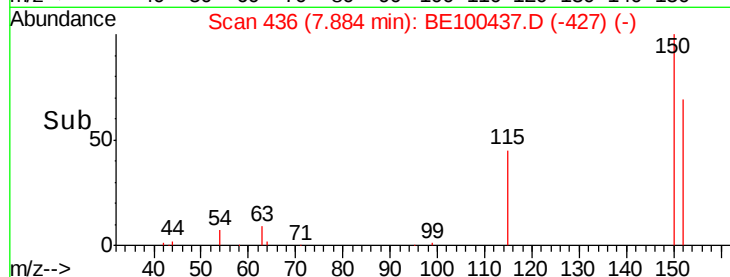


Abundance

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: 0.177 ng

RT: 3.38 min Scan# 45

Delta R.T. -0.00 min

Lab File: BE100437.D

Acq: 16 Jul 2019 9:08

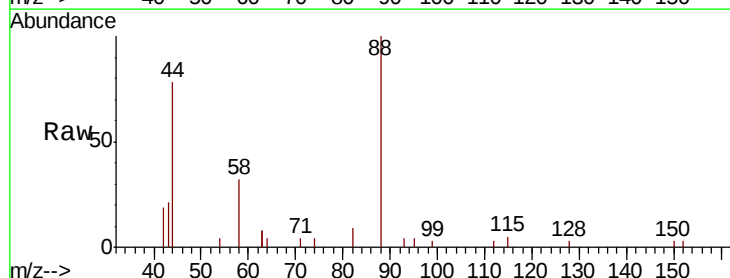
Tgt Ion: 88 Resp: 1115

Ion Ratio Lower Upper

88 100

58 89.8 57.8 86.8#

43 42.0 25.0 37.6#

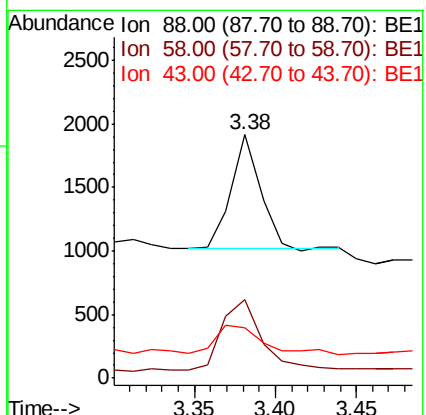
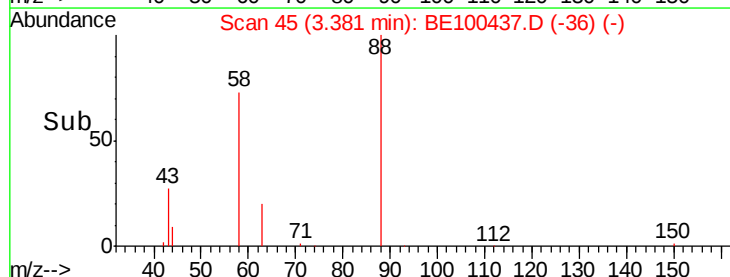


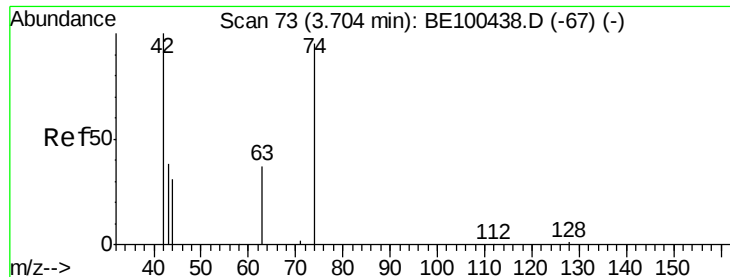
Abundance

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: 0.155 ng

RT: 3.73 min Scan# 75

Delta R.T. 0.02 min

Lab File: BE100437.D

Acq: 16 Jul 2019 9:08

Instrument :

BNA\_E

ClientSampleId :

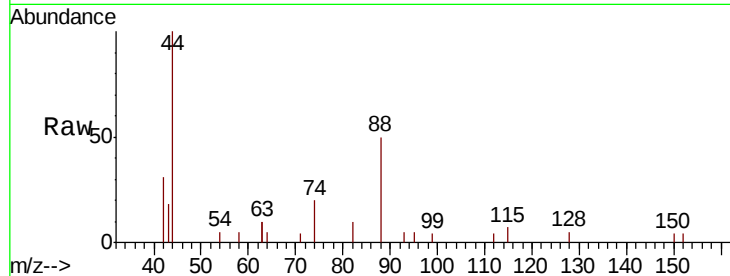
Tot Ion: 42 Resp: 596

Ion Ratio Lower Upper

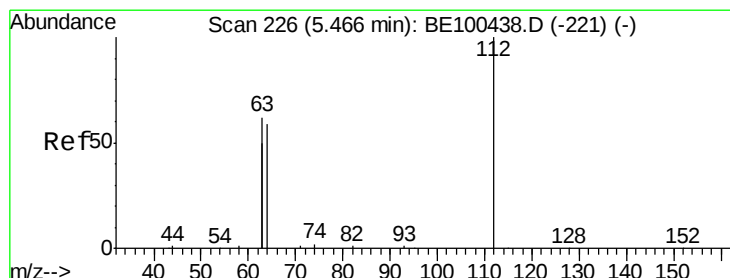
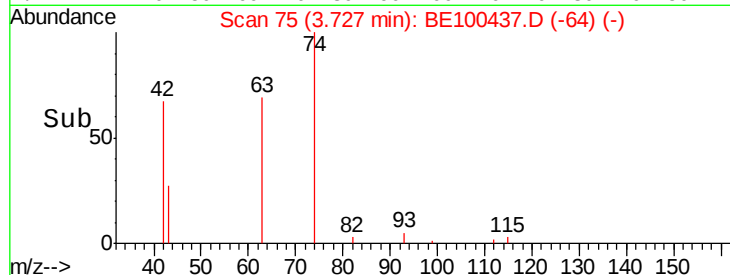
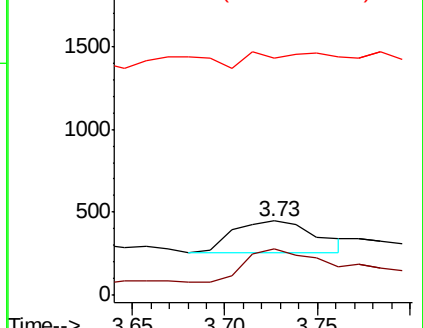
42 100

74 96.8 85.3 127.9

44 46.3 21.8 32.8#



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: 0.186 ng

RT: 5.47 min Scan# 226

Delta R.T. -0.00 min

Lab File: BE100437.D

Acq: 16 Jul 2019 9:08

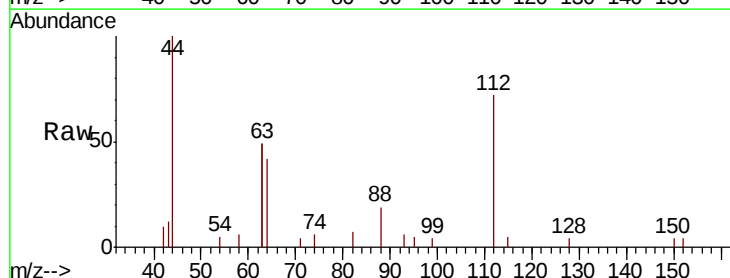
Tgt Ion: 112 Resp: 1650

Ion Ratio Lower Upper

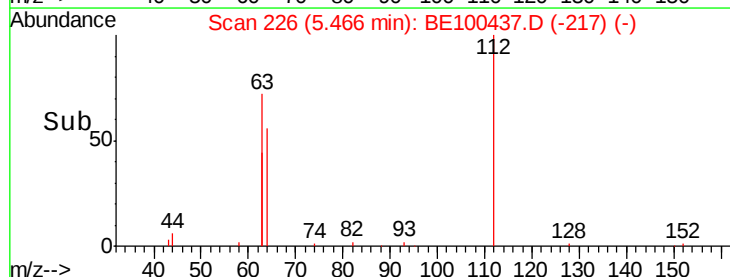
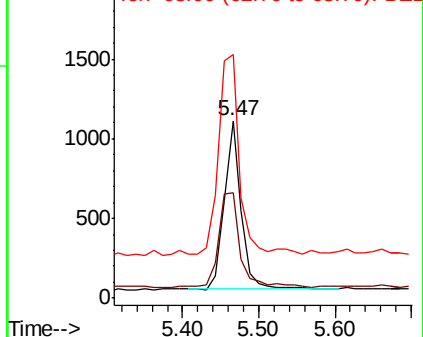
112 100

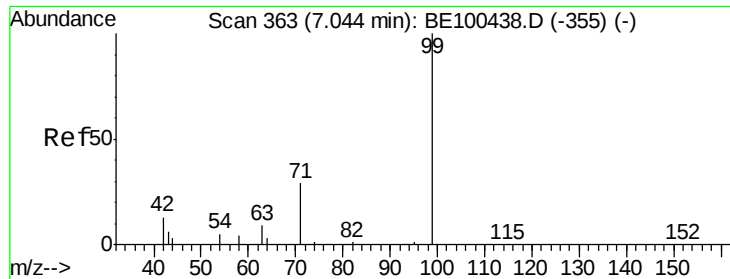
64 73.3 55.0 82.4

63 143.5 114.8 172.2



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: 0.195 ng

RT: 7.04 min Scan# 363

Delta R.T. -0.00 min

Lab File: BE100437.D

Acq: 16 Jul 2019 9:08

Instrument :

BNA\_E

ClientSampleId :

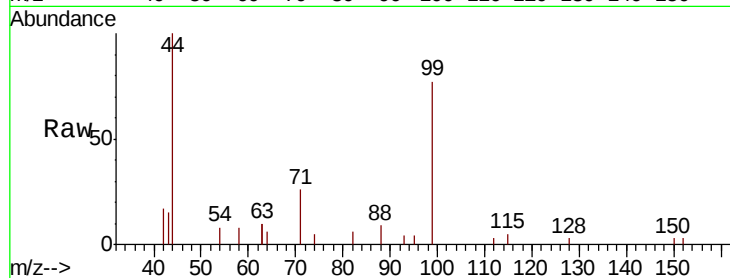
Tot Ion: 99 Resp: 2490

Ion Ratio Lower Upper

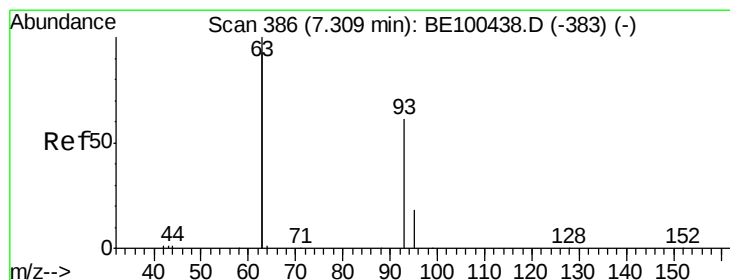
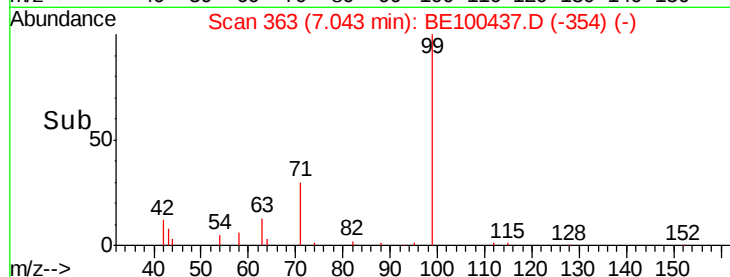
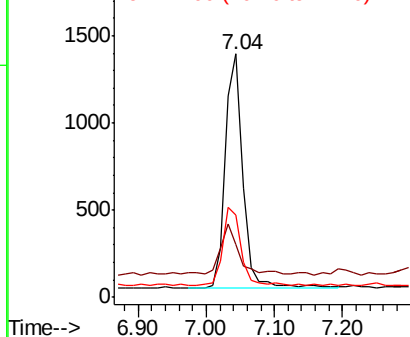
99 100

42 21.8 17.4 26.2

71 35.1 28.2 42.4



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: 0.203 ng

RT: 7.31 min Scan# 386

Delta R.T. -0.00 min

Lab File: BE100437.D

Acq: 16 Jul 2019 9:08

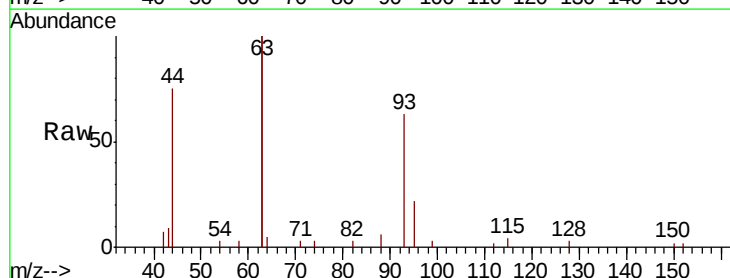
Tgt Ion: 93 Resp: 2521

Ion Ratio Lower Upper

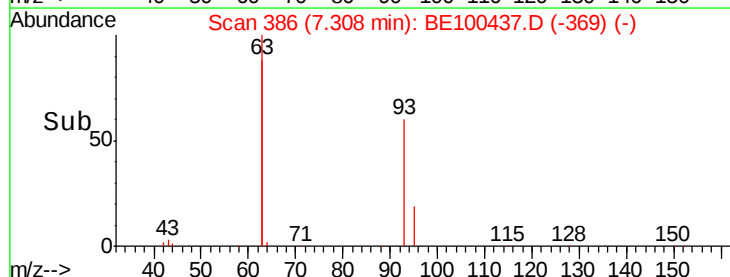
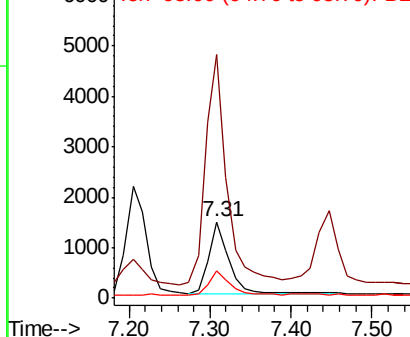
93 100

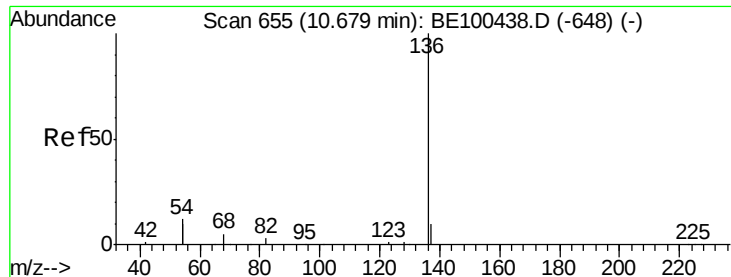
63 332.6 266.9 400.3

95 34.2 26.8 40.2



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: 10.68 min Scan# 655

Delta R.T. 0.00 min

Lab File: BE100437.D

Acq: 16 Jul 2019 9:08

Instrument :

BNA\_E

ClientSampleId :

Tot Ion:136 Resp: 17657

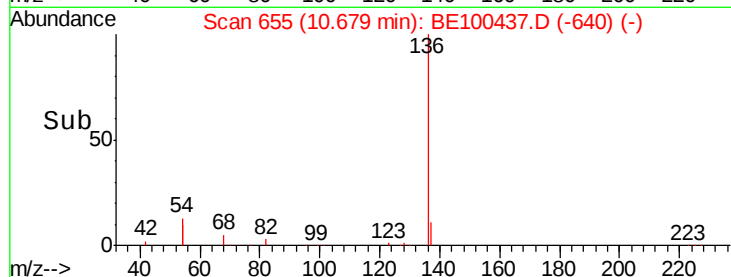
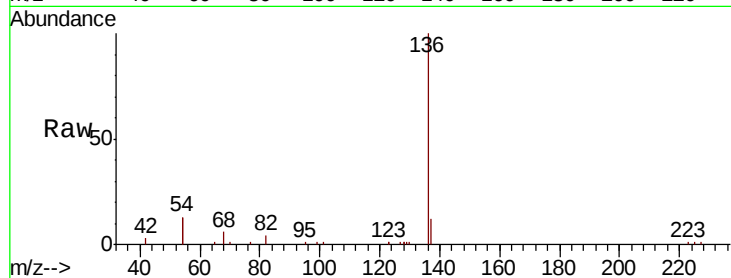
Ion Ratio Lower Upper

136 100

137 11.6 8.7 13.1

54 25.4 19.6 29.4

68 5.9 4.4 6.6



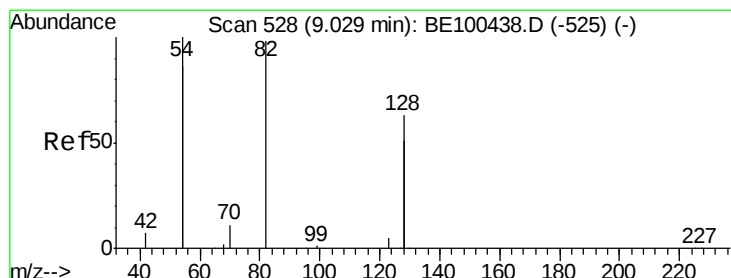
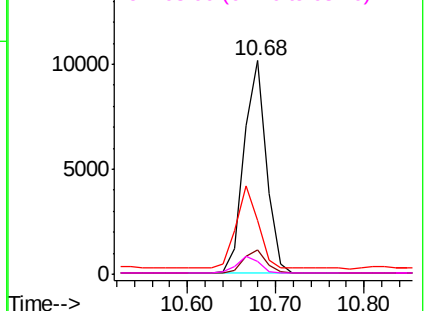
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1



#8

Nitrobenzene-d5

Concen: 0.197 ng

RT: 9.03 min Scan# 528

Delta R.T. 0.00 min

Lab File: BE100437.D

Acq: 16 Jul 2019 9:08

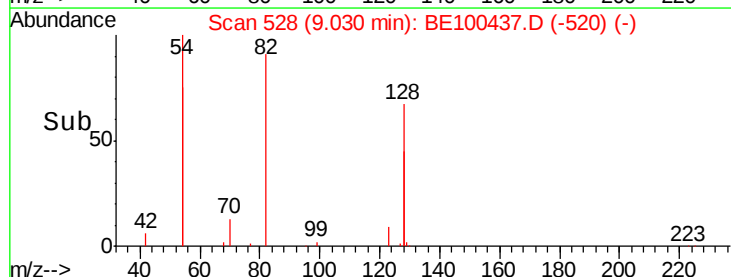
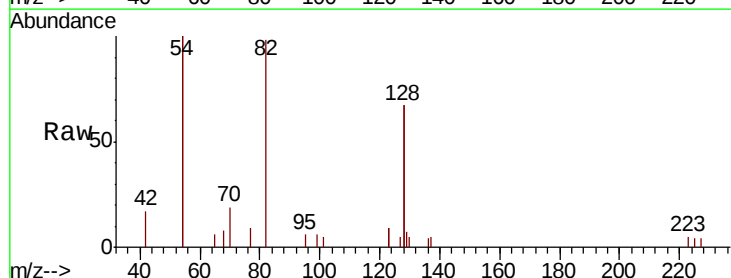
Tgt Ion: 82 Resp: 1776

Ion Ratio Lower Upper

82 100

128 136.3 97.9 146.9

54 204.7 155.0 232.6

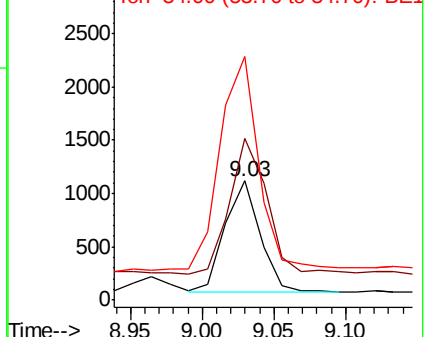


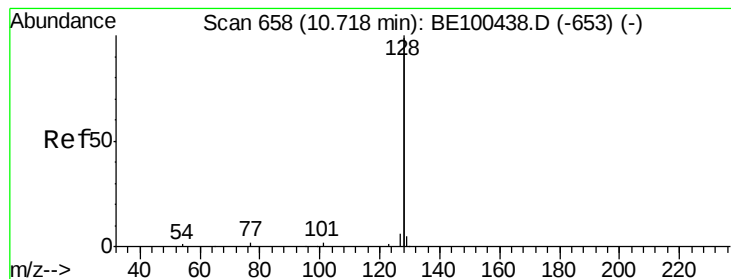
Abundance

Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.197 ng

RT: 10.72 min Scan# 658

Delta R.T. 0.00 min

Lab File: BE100437.D

Acq: 16 Jul 2019 9:08

Instrument :

BNA\_E

ClientSampleId :

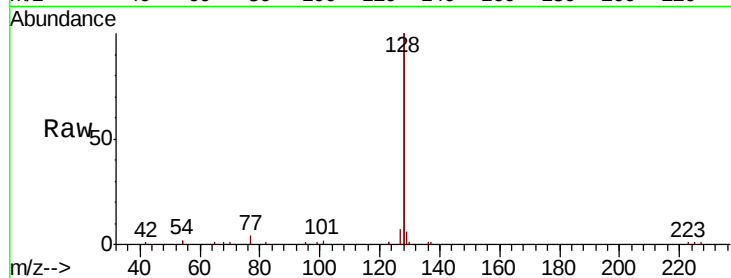
Tot Ion:128 Resp: 33940

Ion Ratio Lower Upper

128 100

129 3.0 2.2 3.4

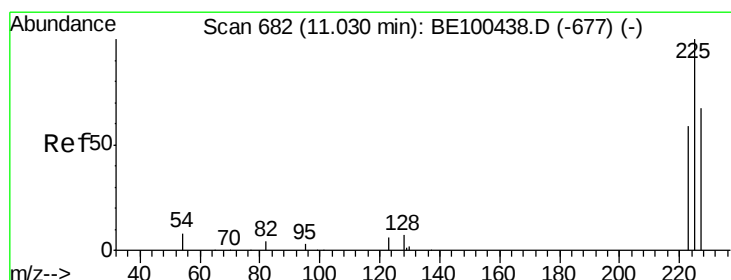
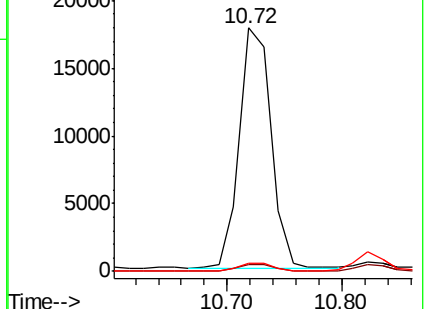
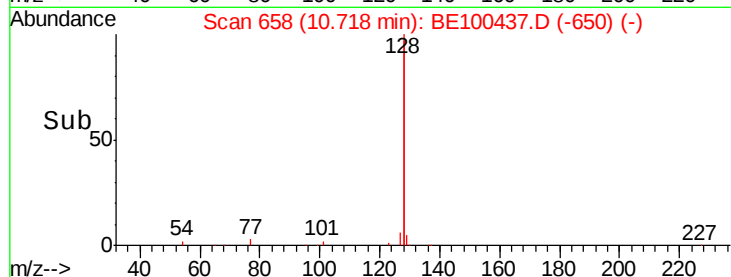
127 3.5 2.7 4.1



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: 0.203 ng

RT: 11.03 min Scan# 682

Delta R.T. 0.00 min

Lab File: BE100437.D

Acq: 16 Jul 2019 9:08

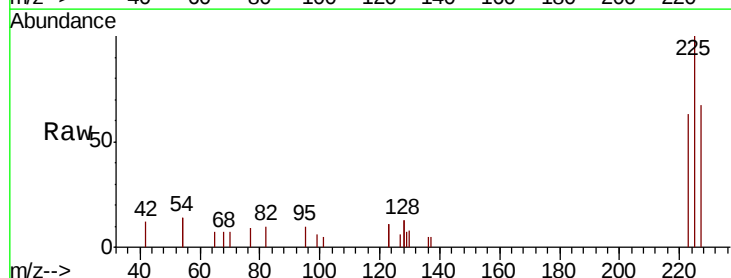
Tgt Ion:225 Resp: 1667

Ion Ratio Lower Upper

225 100

223 61.4 49.8 74.8

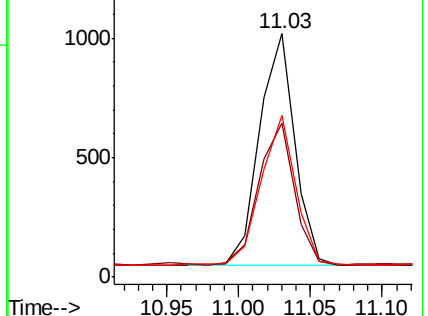
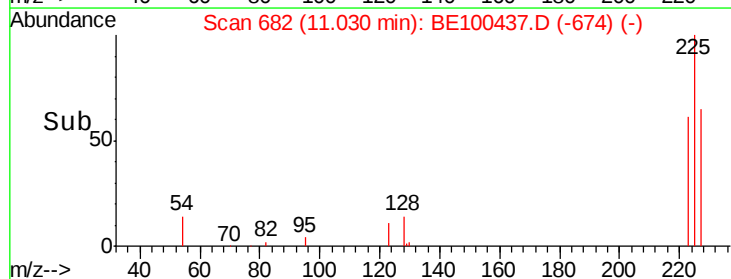
227 64.1 52.3 78.5

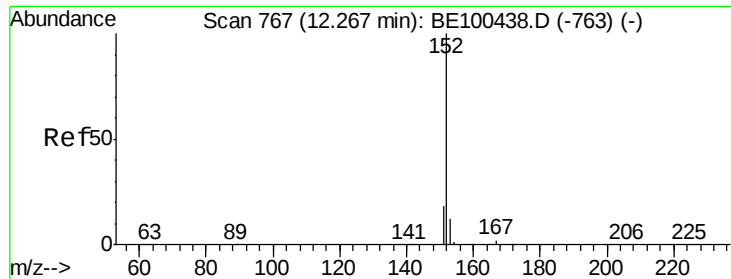


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

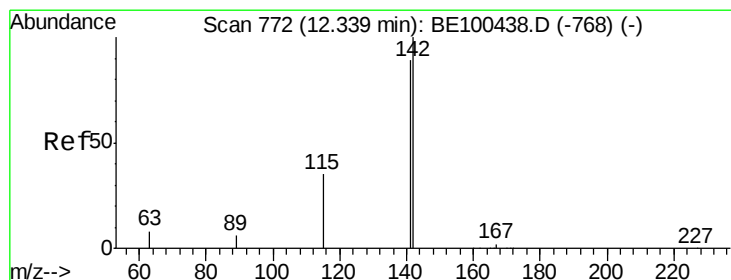
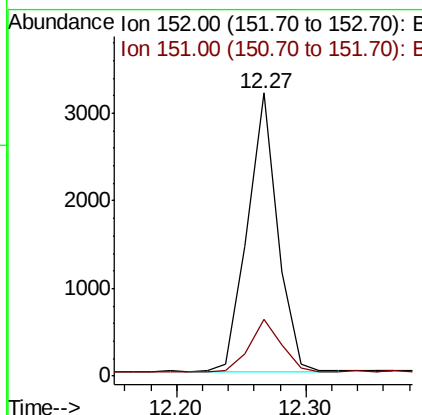
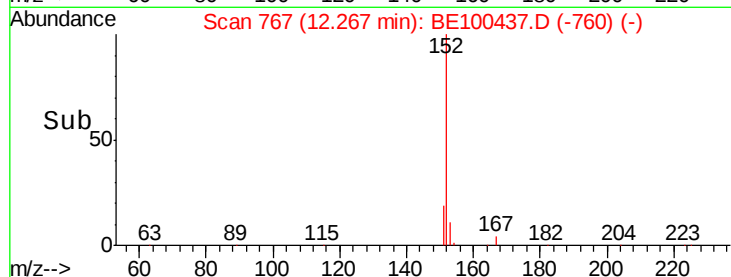
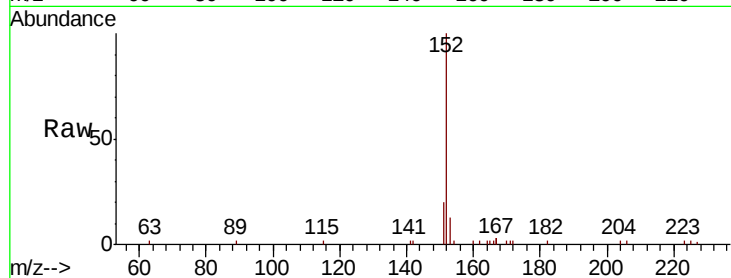




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.132 ng  
 RT: 12.27 min Scan# 767  
 Delta R.T. 0.00 min  
 Lab File: BE100437.D  
 Acq: 16 Jul 2019 9:08

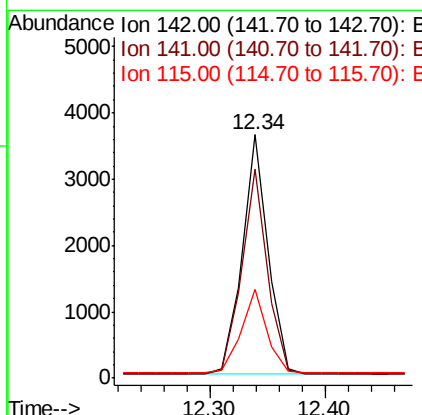
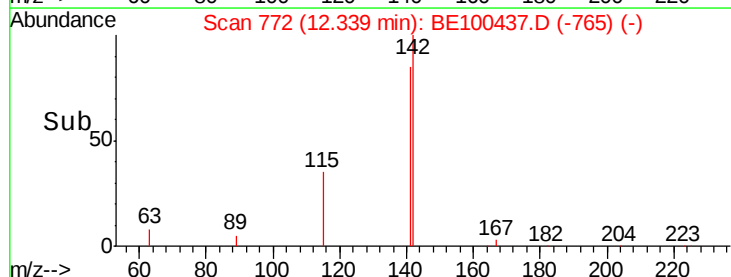
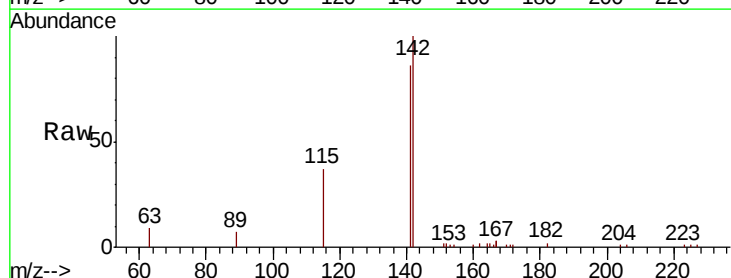
Instrument :  
 BNA\_E  
 ClientSampleId :

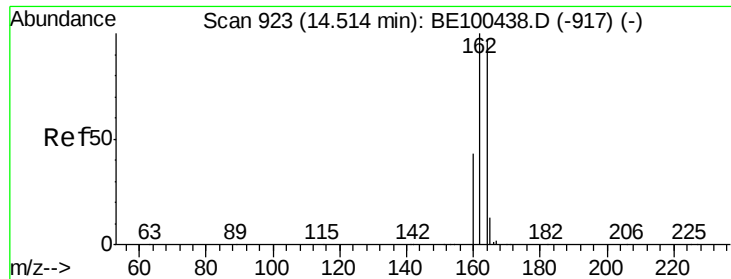
Tot Ion:152 Resp: 5127  
 Ion Ratio Lower Upper  
 152 100  
 151 19.7 16.0 24.0



#12  
 2-Methylnaphthalene  
 Concen: 0.194 ng  
 RT: 12.34 min Scan# 772  
 Delta R.T. 0.00 min  
 Lab File: BE100437.D  
 Acq: 16 Jul 2019 9:08

Tgt Ion:142 Resp: 5620  
 Ion Ratio Lower Upper  
 142 100  
 141 85.7 70.9 106.3  
 115 36.7 29.0 43.4

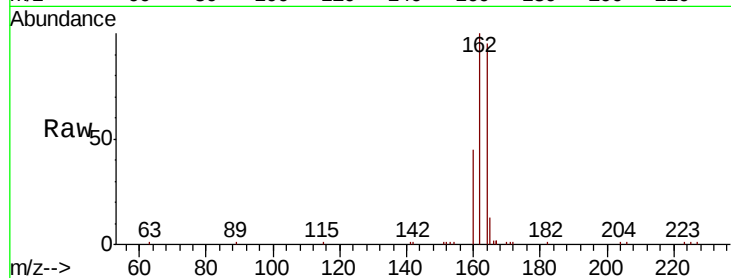




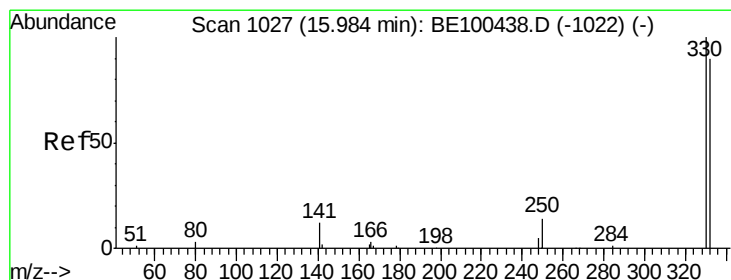
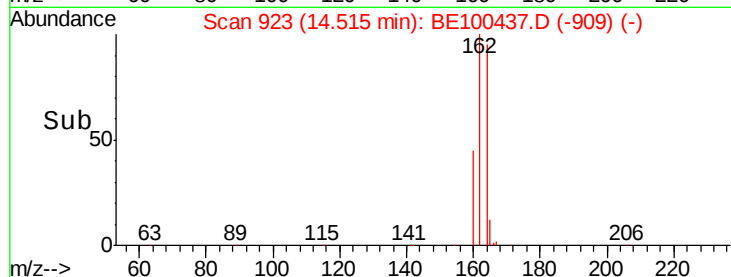
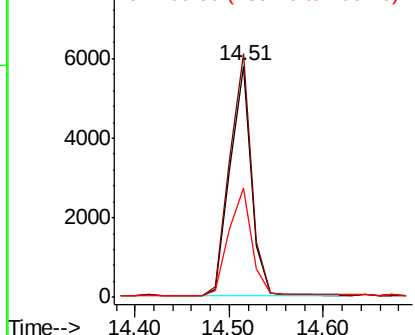
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.51 min Scan# 923  
Delta R.T. 0.00 min  
Lab File: BE100437.D  
Acq: 16 Jul 2019 9:08

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:164 Resp: 8981  
Ion Ratio Lower Upper  
164 100  
162 105.4 82.6 124.0  
160 47.4 35.6 53.4

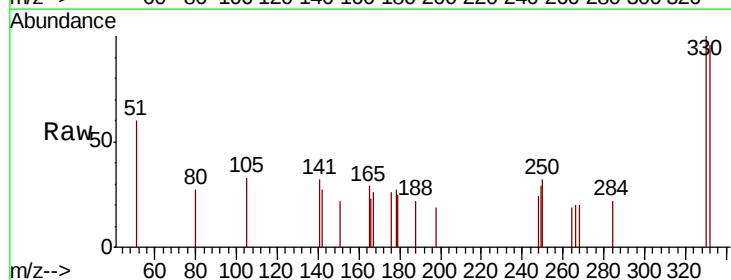


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

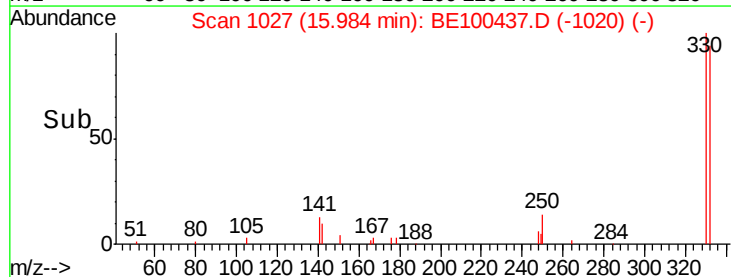
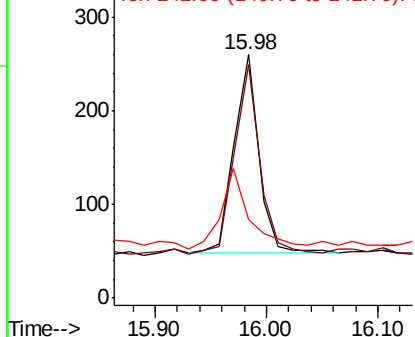


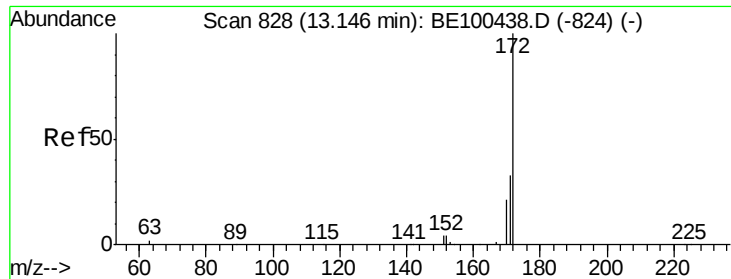
#14  
2,4,6-Tribromophenol  
Concen: 0.141 ng  
RT: 15.98 min Scan# 1027  
Delta R.T. -0.00 min  
Lab File: BE100437.D  
Acq: 16 Jul 2019 9:08

Tgt Ion:330 Resp: 328  
Ion Ratio Lower Upper  
330 100  
332 97.6 76.3 114.5  
141 47.9 28.1 42.1#



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

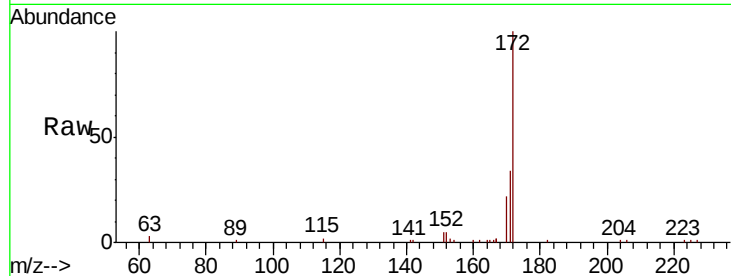




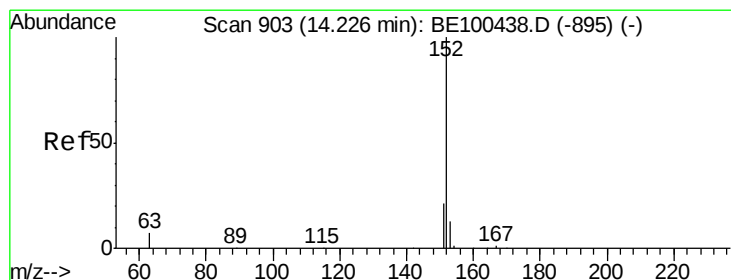
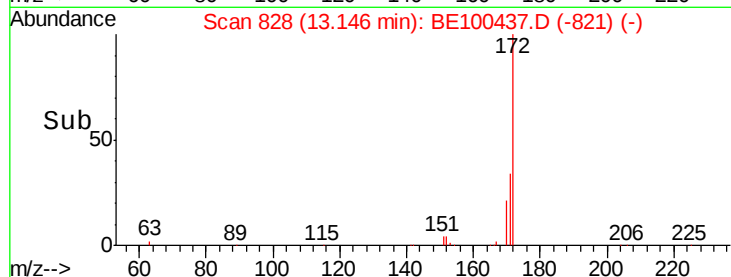
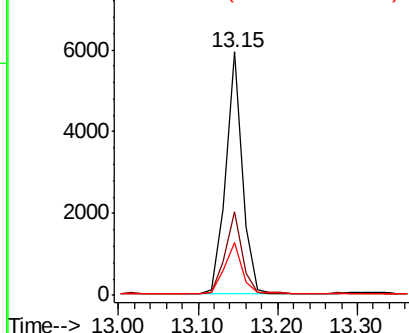
#15  
2-Fluorobiphenyl  
Concen: 0.212 ng  
RT: 13.15 min Scan# 828  
Delta R.T. 0.00 min  
Lab File: BE100437.D  
Acq: 16 Jul 2019 9:08

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:172 Resp: 8442  
Ion Ratio Lower Upper  
172 100  
171 34.5 27.0 40.4  
170 21.7 17.4 26.0

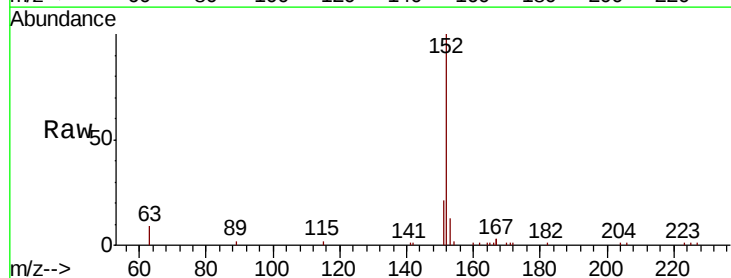


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

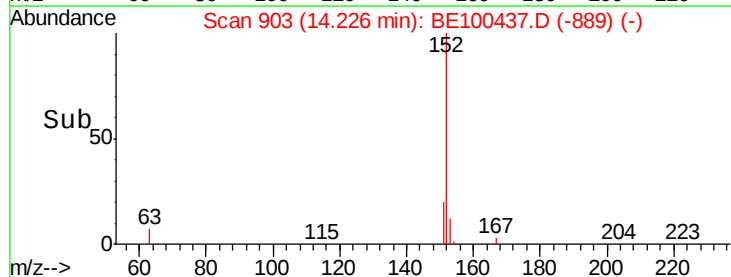
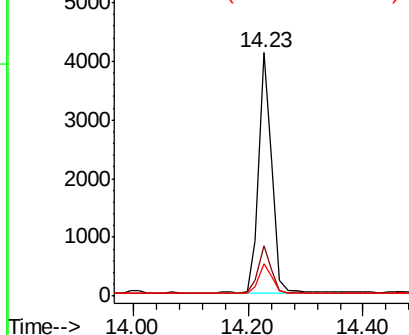


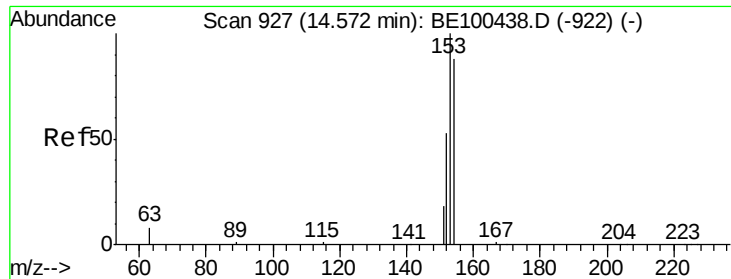
#16  
Acenaphthylene  
Concen: 0.180 ng  
RT: 14.23 min Scan# 903  
Delta R.T. 0.00 min  
Lab File: BE100437.D  
Acq: 16 Jul 2019 9:08

Tgt Ion:152 Resp: 6691  
Ion Ratio Lower Upper  
152 100  
151 19.5 15.8 23.8  
153 12.4 10.4 15.6



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

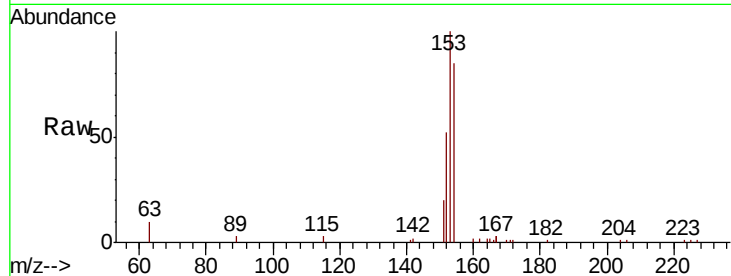




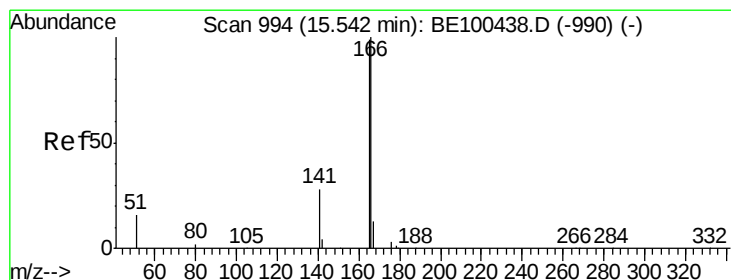
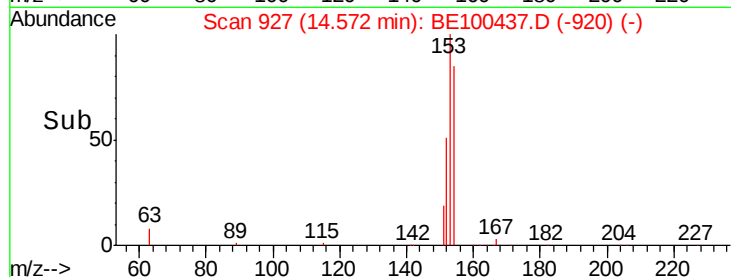
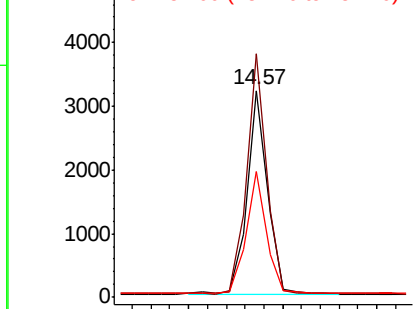
#17  
Acenaphthene  
Concen: 0.190 ng  
RT: 14.57 min Scan# 927  
Delta R.T. 0.00 min  
Lab File: BE100437.D  
Acq: 16 Jul 2019 9:08

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:154 Resp: 4817  
Ion Ratio Lower Upper  
154 100  
153 114.9 91.0 136.4  
152 61.0 49.4 74.2

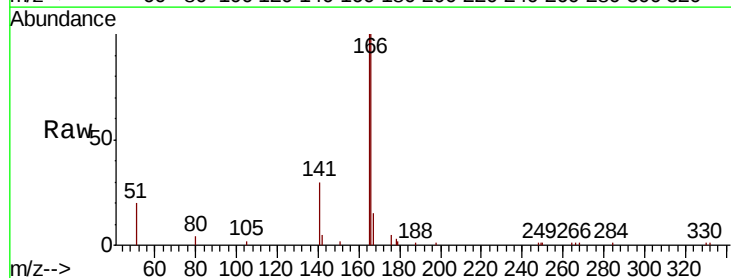


Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E

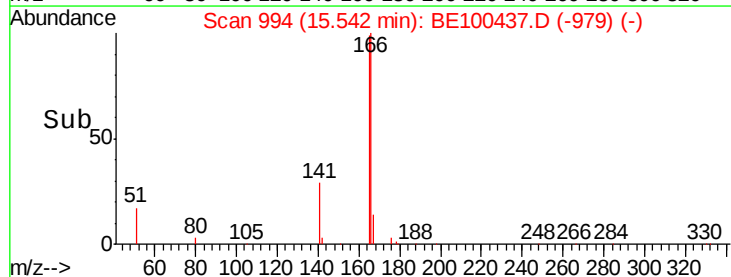
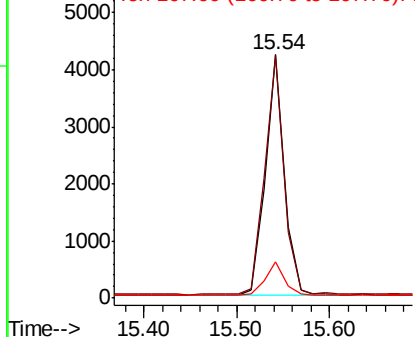


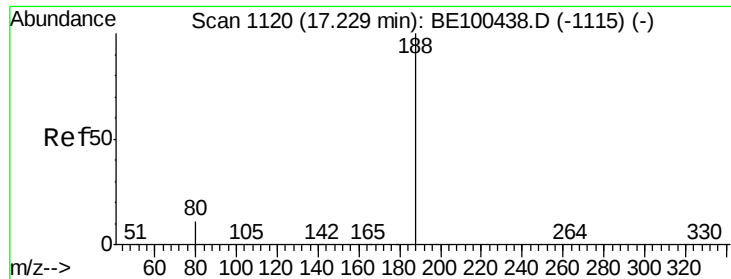
#18  
Fluorene  
Concen: 0.184 ng  
RT: 15.54 min Scan# 994  
Delta R.T. -0.00 min  
Lab File: BE100437.D  
Acq: 16 Jul 2019 9:08

Tgt Ion:166 Resp: 5999  
Ion Ratio Lower Upper  
166 100  
165 102.3 79.6 119.4  
167 14.3 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

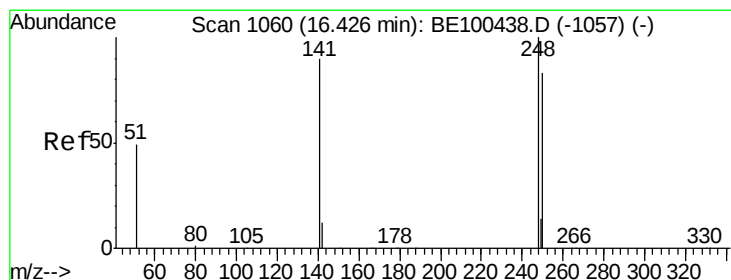
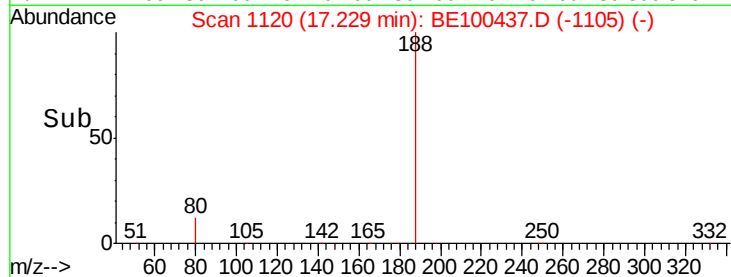
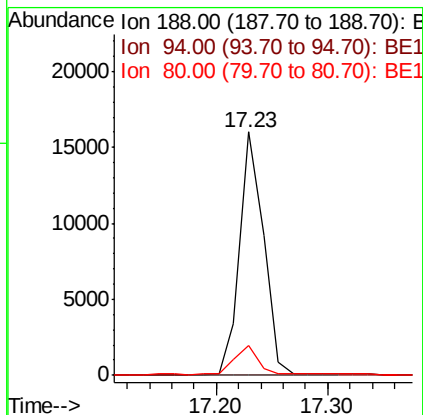
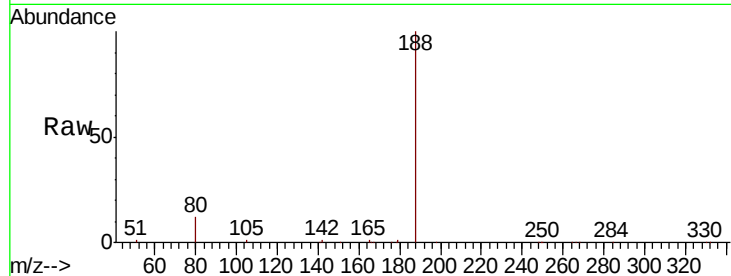




#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.23 min Scan# 1120  
Delta R.T. -0.00 min  
Lab File: BE100437.D  
Acq: 16 Jul 2019 9:08

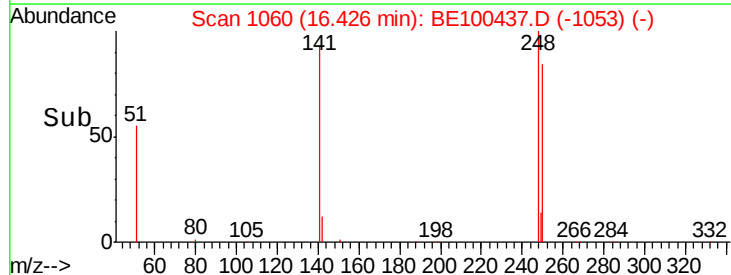
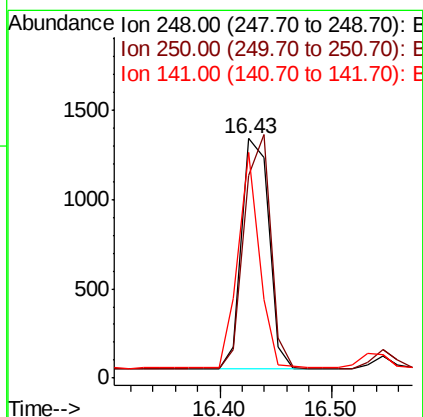
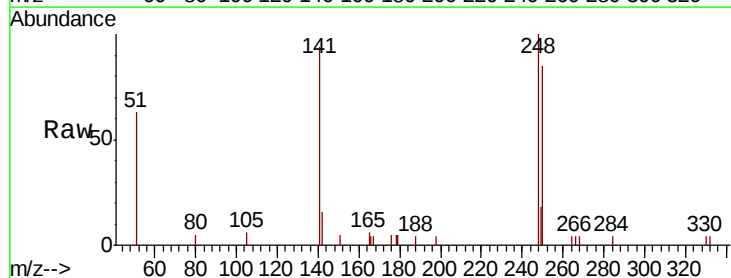
Instrument :  
BNA\_E  
ClientSampleId :

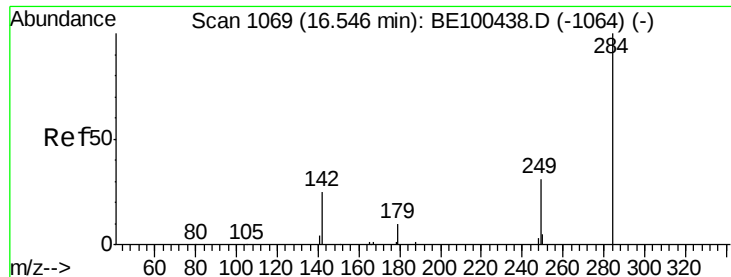
Tot Ion:188 Resp: 23668  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 12.4 9.2 13.8



#20  
4-Bromophenyl-phenylether  
Concen: 0.183 ng  
RT: 16.43 min Scan# 1060  
Delta R.T. -0.00 min  
Lab File: BE100437.D  
Acq: 16 Jul 2019 9:08

Tgt Ion:248 Resp: 2210  
Ion Ratio Lower Upper  
248 100  
250 84.6 67.1 100.7  
141 94.1 72.2 108.2





#21

Hexachlorobenzene

Concen: 0.194 ng

RT: 16.55 min Scan# 1069

Delta R.T. -0.00 min

Lab File: BE100437.D

Acq: 16 Jul 2019 9:08

Instrument :

BNA\_E

ClientSampleId :

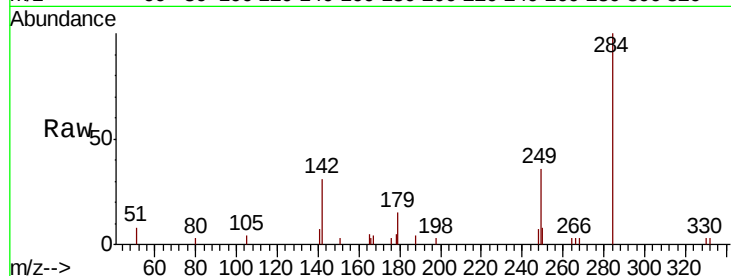
Tot Ion:284 Resp: 2686

Ion Ratio Lower Upper

284 100

142 34.8 25.6 38.4

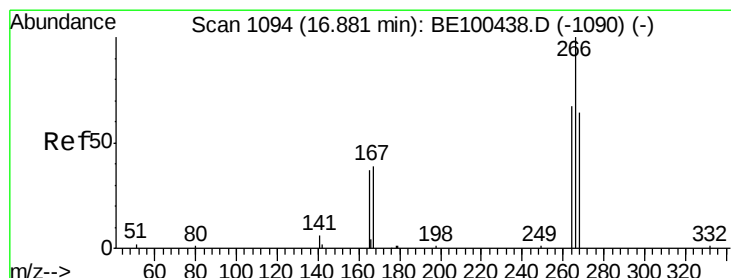
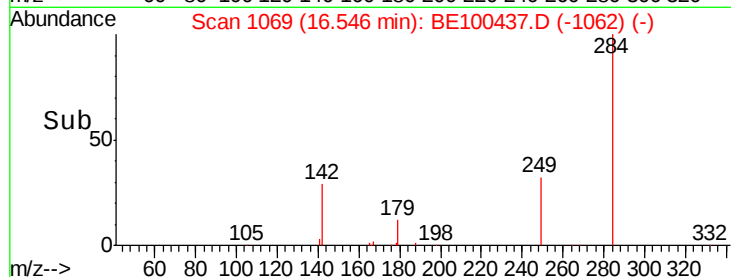
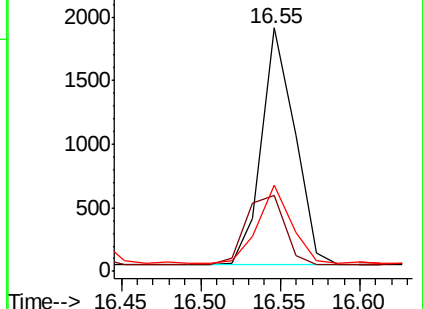
249 33.5 25.1 37.7



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: 0.155 ng

RT: 16.88 min Scan# 1094

Delta R.T. -0.00 min

Lab File: BE100437.D

Acq: 16 Jul 2019 9:08

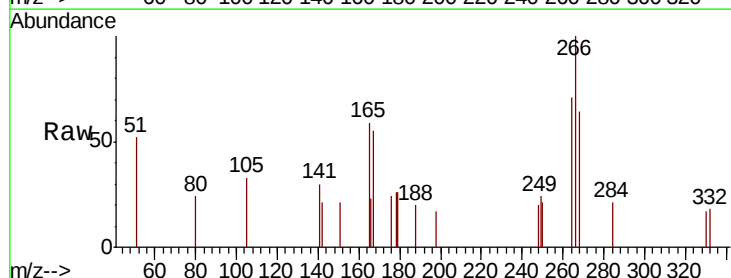
Tgt Ion:266 Resp: 422

Ion Ratio Lower Upper

266 100

264 70.5 56.2 84.2

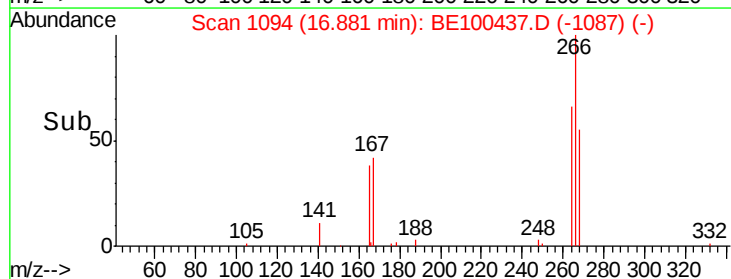
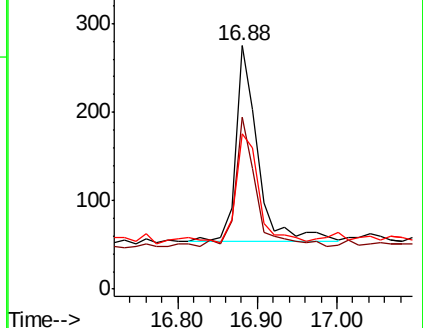
268 63.6 54.9 82.3

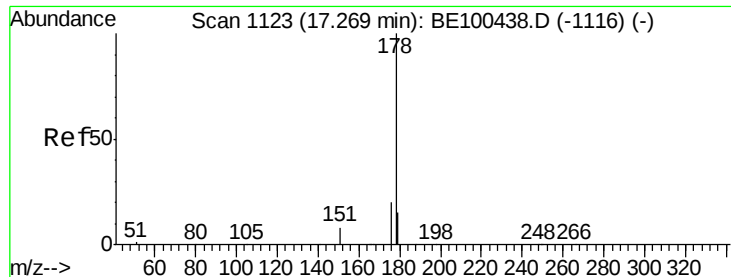


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.197 ng

RT: 17.27 min Scan# 1123

Delta R.T. -0.00 min

Lab File: BE100437.D

Acq: 16 Jul 2019 9:08

Instrument :

BNA\_E

ClientSampleId :

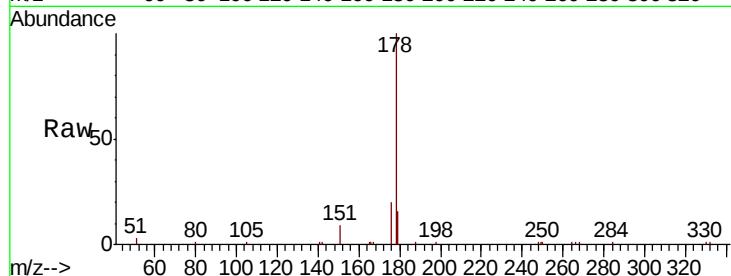
Tot Ion:178 Resp: 12087

Ion Ratio Lower Upper

178 100

176 19.5 15.5 23.3

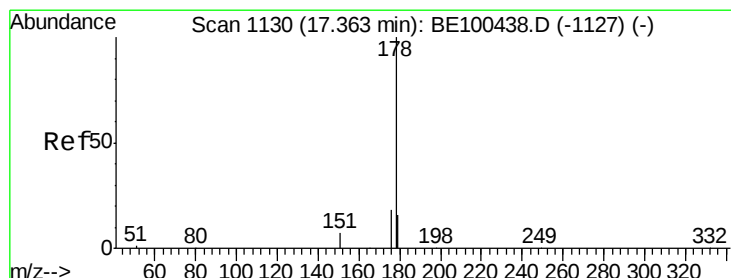
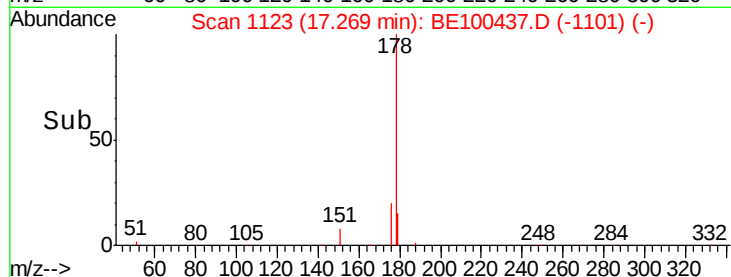
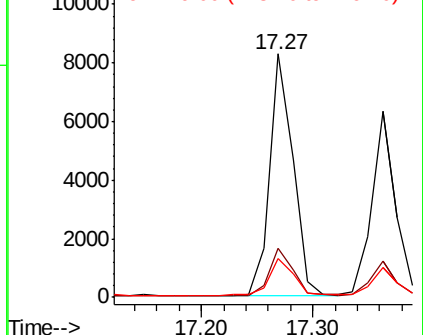
179 15.5 12.4 18.6



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



#24

Anthracene

Concen: 0.178 ng

RT: 17.36 min Scan# 1130

Delta R.T. -0.00 min

Lab File: BE100437.D

Acq: 16 Jul 2019 9:08

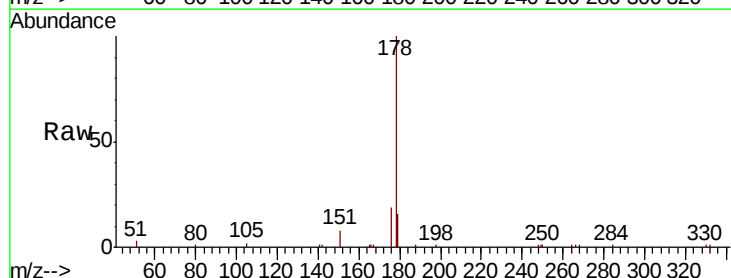
Tgt Ion:178 Resp: 9263

Ion Ratio Lower Upper

178 100

176 18.6 15.0 22.4

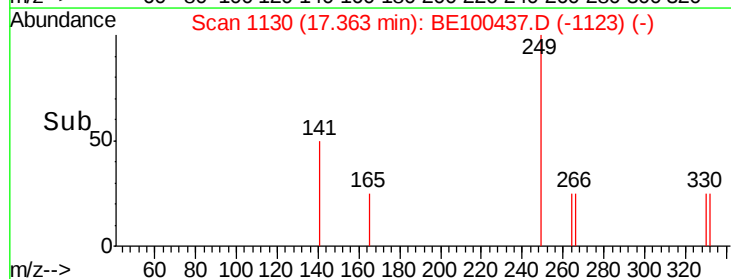
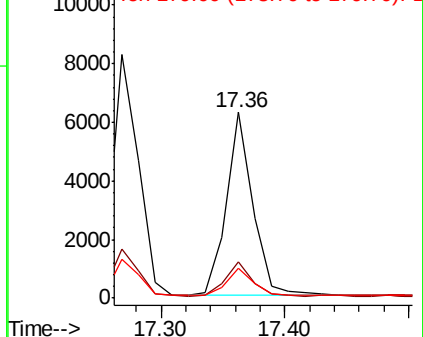
179 14.8 12.3 18.5

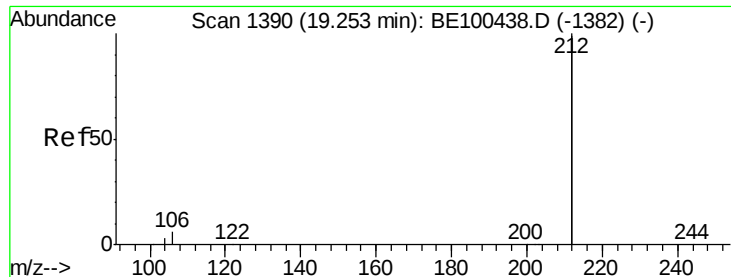


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.129 ng

RT: 19.25 min Scan# 1390

Delta R.T. 0.00 min

Lab File: BE100437.D

Acq: 16 Jul 2019 9:08

Instrument :

BNA\_E

ClientSampled :

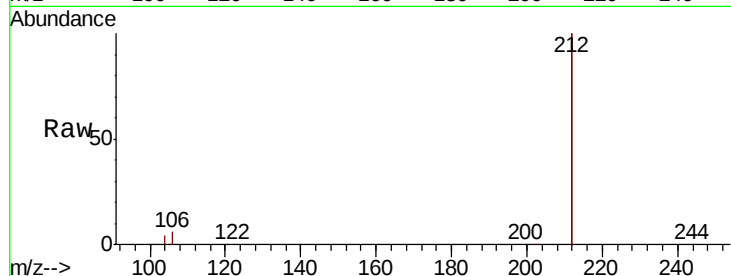
Tot Ion:212 Resp: 54166

Ion Ratio Lower Upper

212 100

106 3.1 2.6 3.8

104 1.8 1.4 2.2

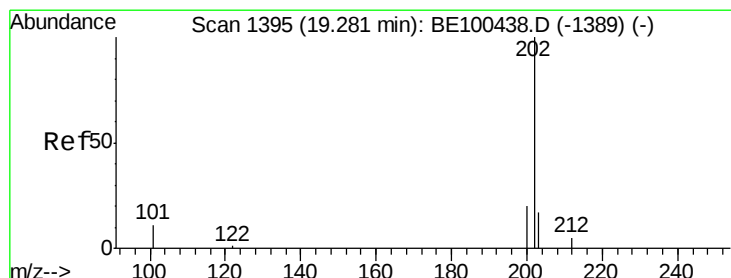
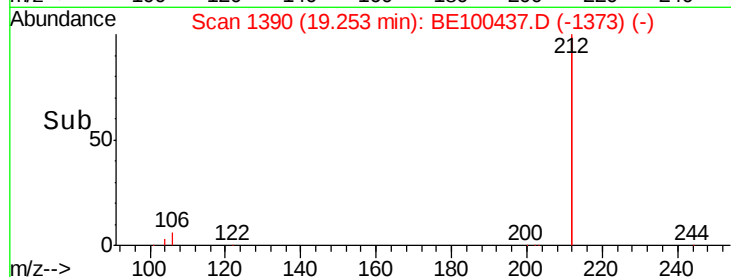
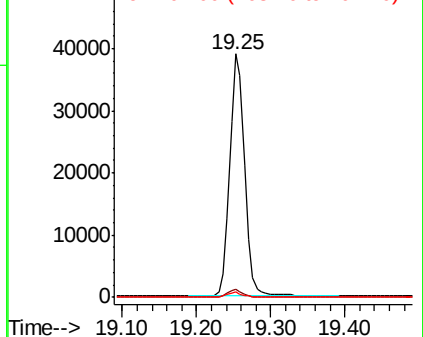


Abundance

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: 0.186 ng

RT: 19.28 min Scan# 1395

Delta R.T. 0.00 min

Lab File: BE100437.D

Acq: 16 Jul 2019 9:08

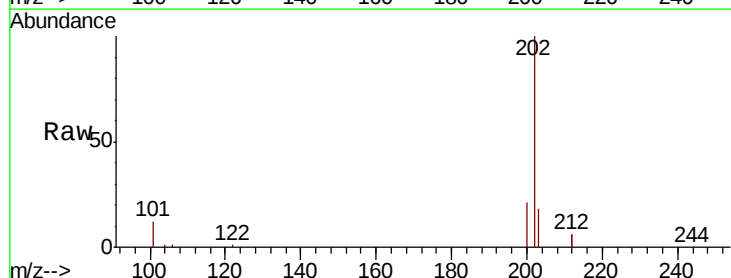
Tgt Ion:202 Resp: 14832

Ion Ratio Lower Upper

202 100

101 11.4 8.9 13.3

203 16.8 13.8 20.6

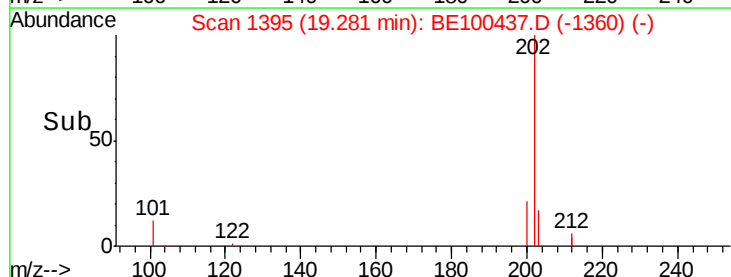
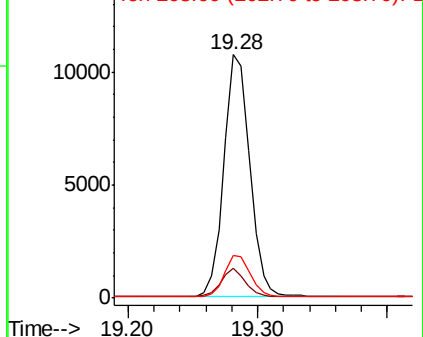


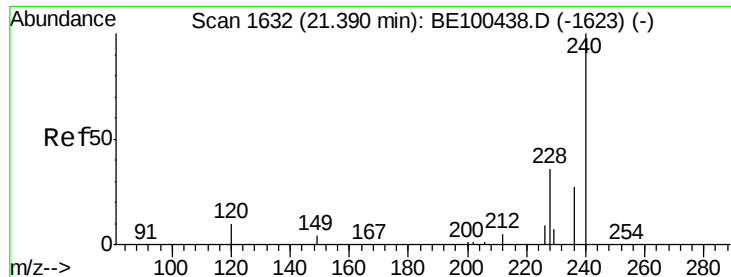
Abundance

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: 21.39 min Scan# 1632

Delta R.T. 0.00 min

Lab File: BE100437.D

Acq: 16 Jul 2019 9:08

Instrument :

BNA\_E

ClientSampleId :

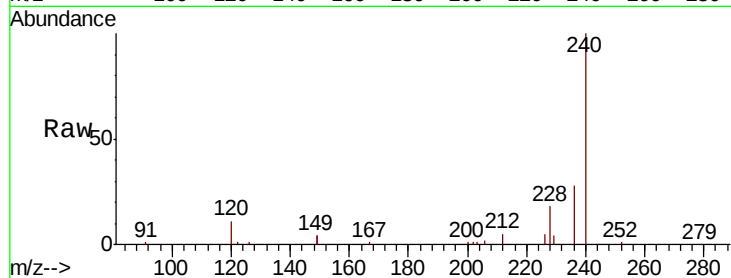
Tot Ion:240 Resp: 25592

Ion Ratio Lower Upper

240 100

120 11.0 8.8 13.2

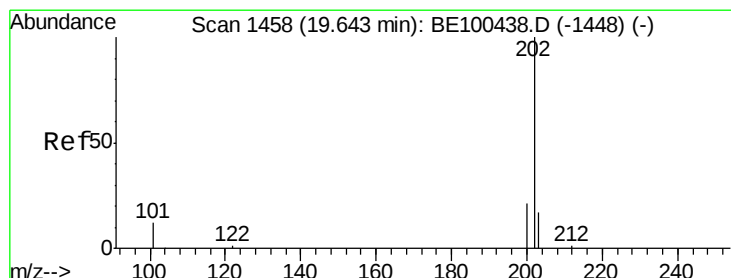
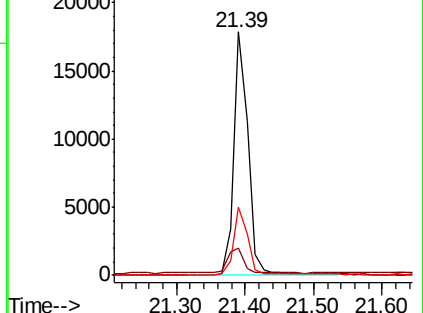
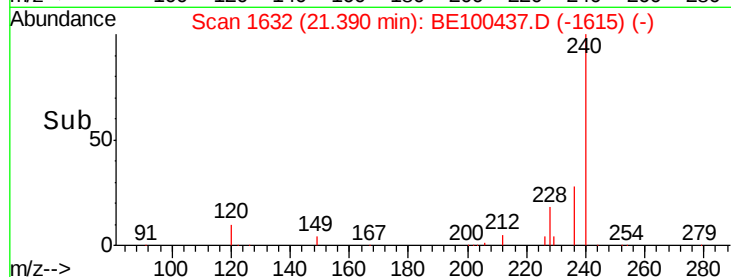
236 28.2 22.0 33.0



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: 0.196 ng

RT: 19.64 min Scan# 1458

Delta R.T. 0.00 min

Lab File: BE100437.D

Acq: 16 Jul 2019 9:08

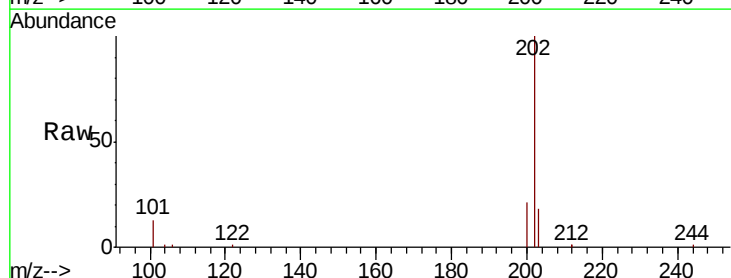
Tgt Ion:202 Resp: 14687

Ion Ratio Lower Upper

202 100

200 21.0 16.8 25.2

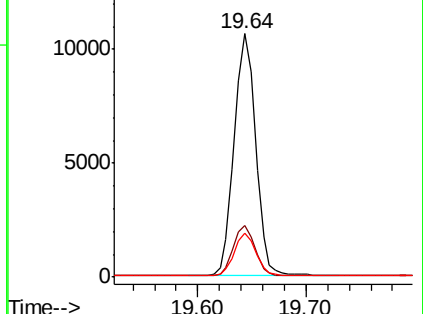
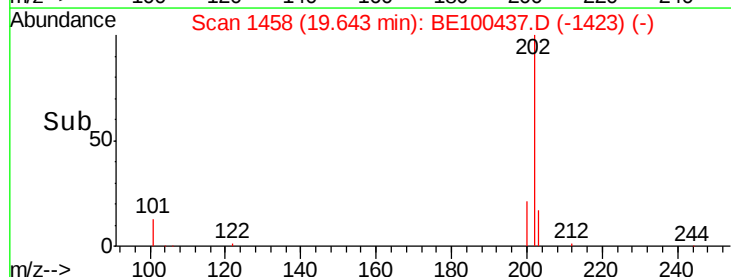
203 17.6 13.8 20.8

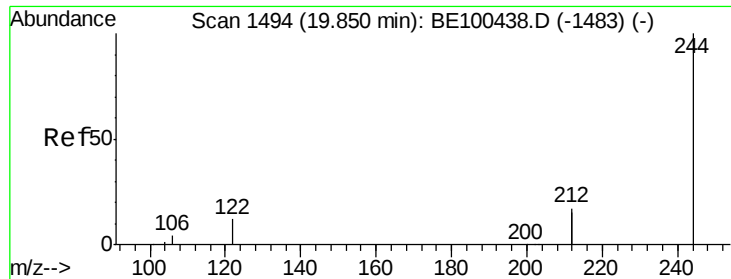


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.204 ng

RT: 19.85 min Scan# 1494

Delta R.T. 0.00 min

Lab File: BE100437.D

Acq: 16 Jul 2019 9:08

Instrument :

BNA\_E

ClientSampleId :

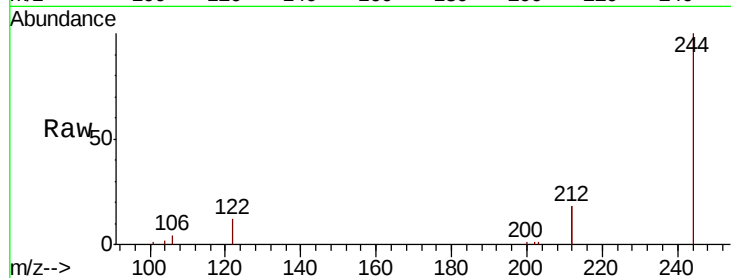
Tot Ion:244 Resp: 12676

Ion Ratio Lower Upper

244 100

212 35.1 26.3 39.5

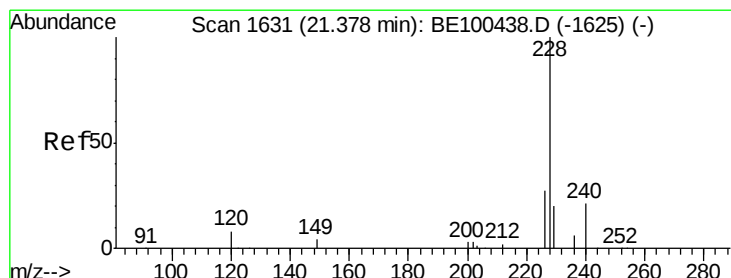
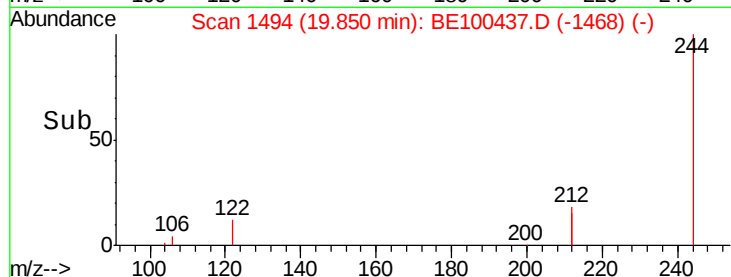
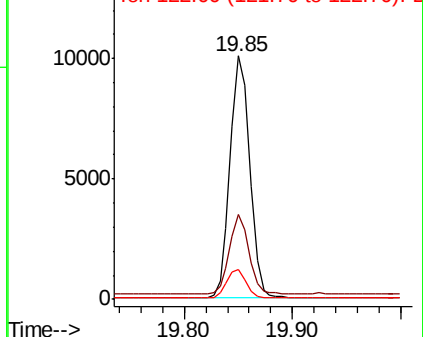
122 12.4 9.4 14.2



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: 0.178 ng

RT: 21.38 min Scan# 1631

Delta R.T. 0.00 min

Lab File: BE100437.D

Acq: 16 Jul 2019 9:08

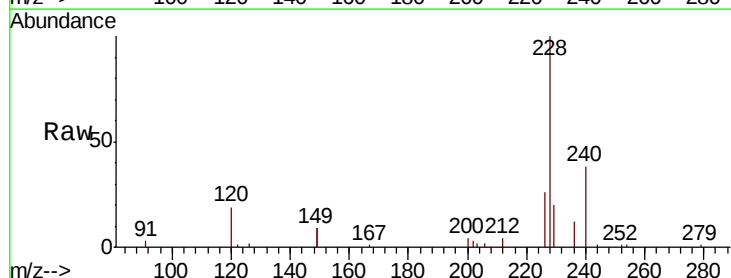
Tgt Ion:228 Resp: 12484

Ion Ratio Lower Upper

228 100

226 26.4 21.6 32.4

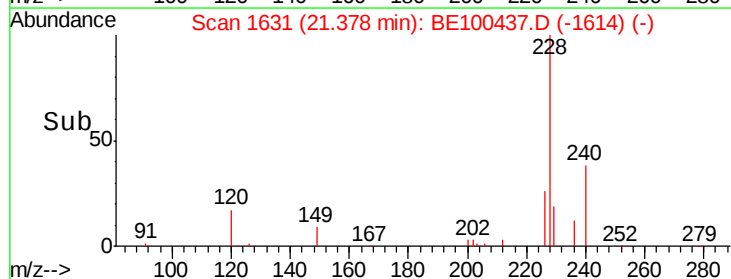
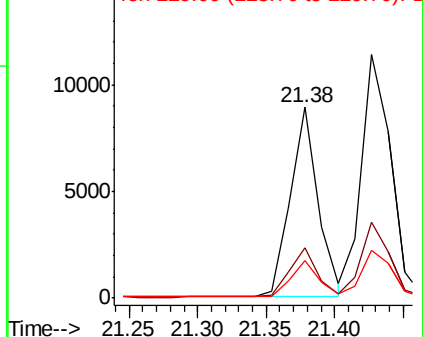
229 19.8 15.8 23.8

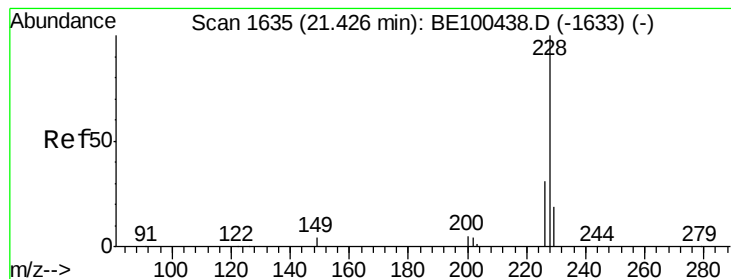


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.203 ng

RT: 21.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: BE100437.D

Acq: 16 Jul 2019 9:08

Instrument :

BNA\_E

ClientSampleId :

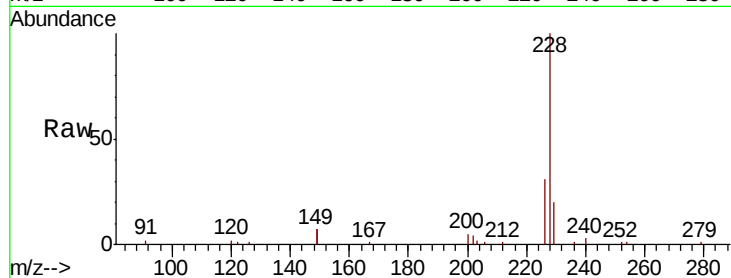
Tot Ion:228 Resp: 16736

Ion Ratio Lower Upper

228 100

226 31.3 24.8 37.2

229 19.9 15.8 23.6

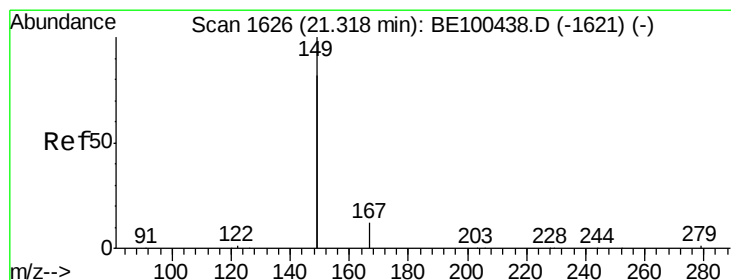
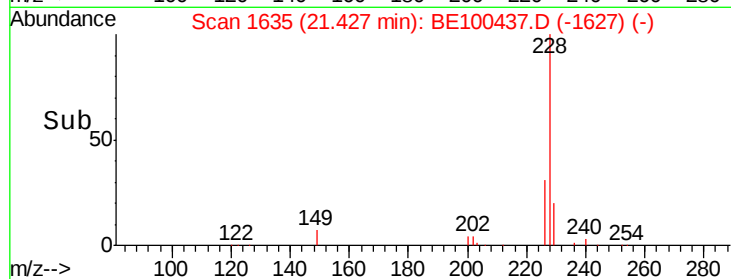
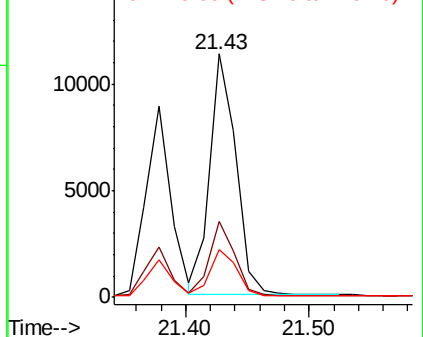


Abundance

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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.161 ng

RT: 21.32 min Scan# 1626

Delta R.T. 0.00 min

Lab File: BE100437.D

Acq: 16 Jul 2019 9:08

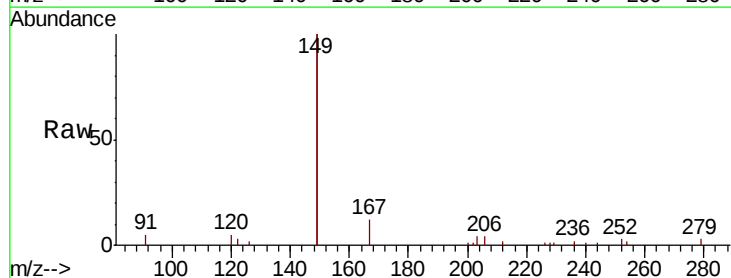
Tgt Ion:149 Resp: 8624

Ion Ratio Lower Upper

149 100

167 6.6 5.0 7.6

279 1.6 1.2 1.8

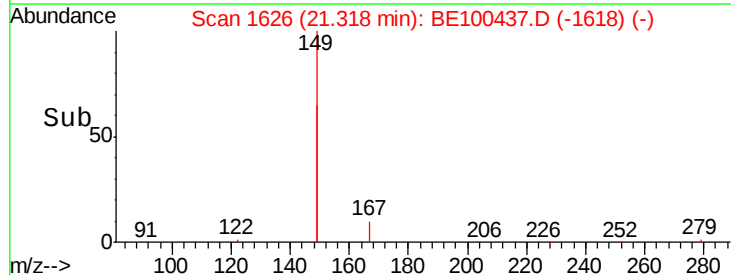
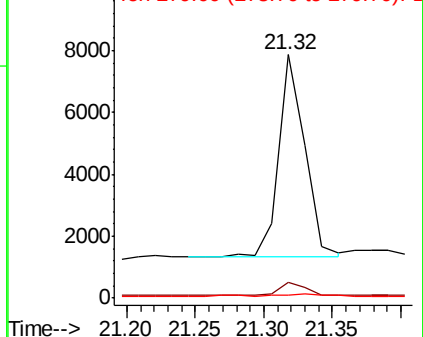


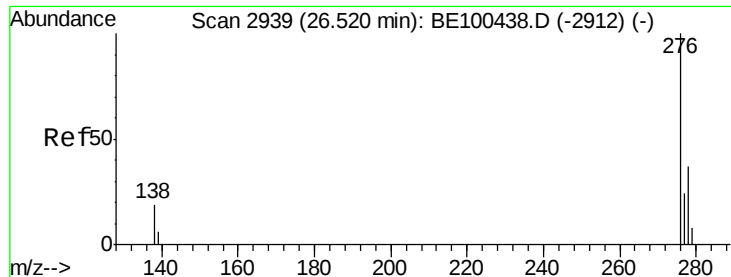
Abundance

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

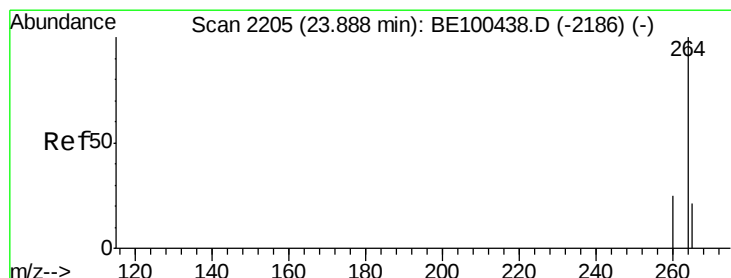
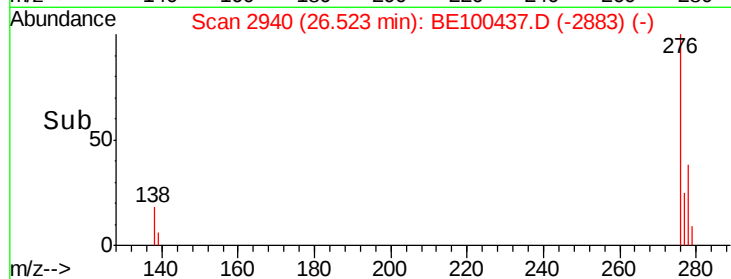
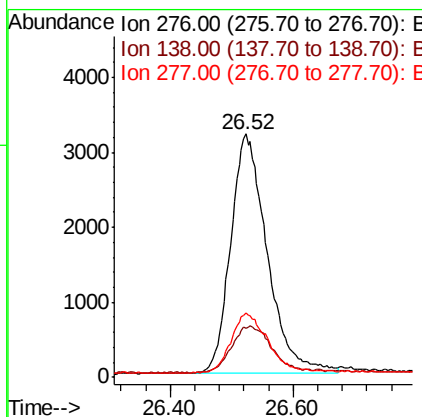
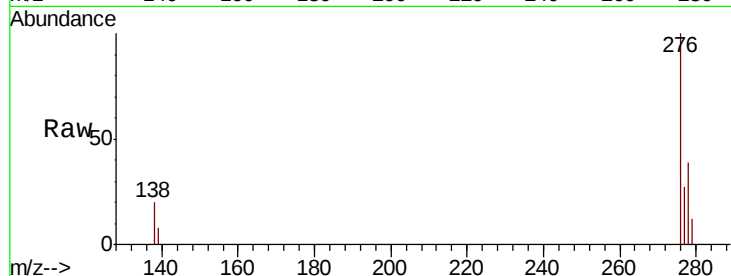




#33  
Indeno(1,2,3-cd)pyrene  
Concen: 0.177 ng  
RT: 26.52 min Scan# 2940  
Delta R.T. 0.00 min  
Lab File: BE100437.D  
Acq: 16 Jul 2019 9:08

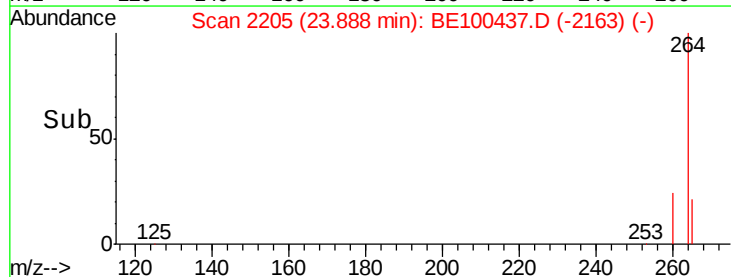
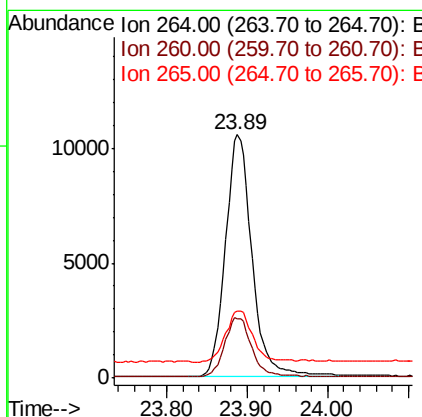
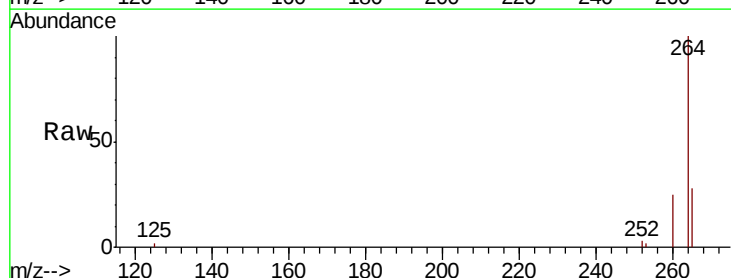
Instrument :  
BNA\_E  
ClientSampleId :

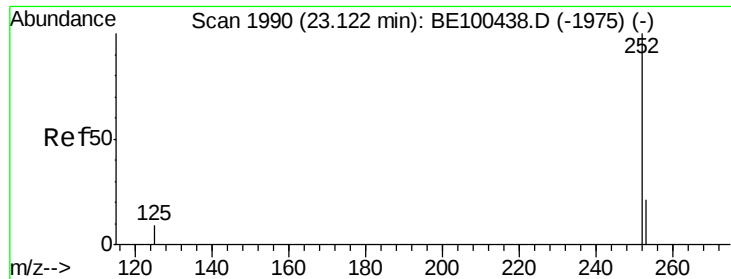
Tot Ion:276 Resp: 13198  
Ion Ratio Lower Upper  
276 100  
138 21.3 17.0 25.6  
277 25.1 19.8 29.6



#34  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.89 min Scan# 2205  
Delta R.T. 0.00 min  
Lab File: BE100437.D  
Acq: 16 Jul 2019 9:08

Tgt Ion:264 Resp: 24203  
Ion Ratio Lower Upper  
264 100  
260 24.5 20.0 30.0  
265 27.7 22.2 33.4





#35

Benzo(b)fluoranthene

Concen: 0.175 ng

RT: 23.13 min Scan# 1991

Delta R.T. 0.00 min

Lab File: BE100437.D

Acq: 16 Jul 2019 9:08

Instrument :

BNA\_E

ClientSampleId :

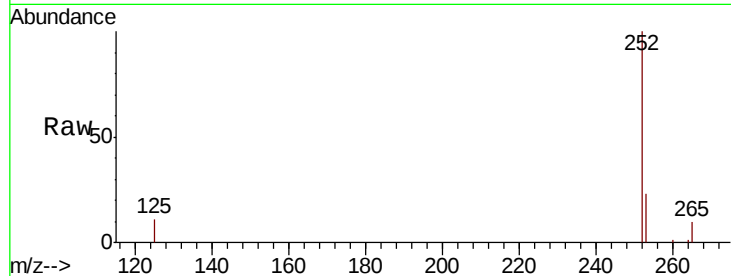
Tot Ion:252 Resp: 13304

Ion Ratio Lower Upper

252 100

253 23.1 17.5 26.3

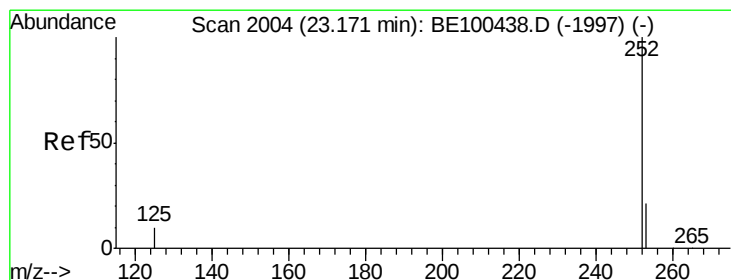
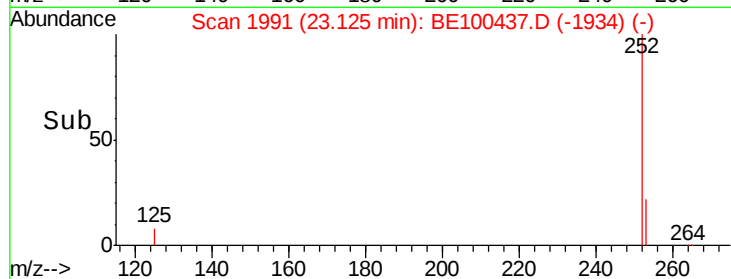
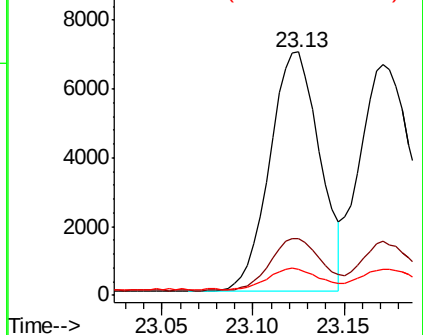
125 10.5 8.0 12.0



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: 0.178 ng

RT: 23.17 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BE100437.D

Acq: 16 Jul 2019 9:08

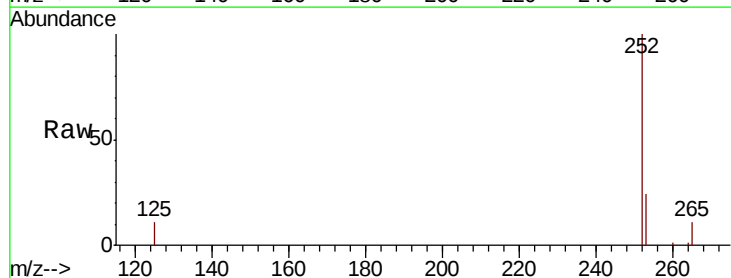
Tgt Ion:252 Resp: 14166

Ion Ratio Lower Upper

252 100

253 23.8 17.7 26.5

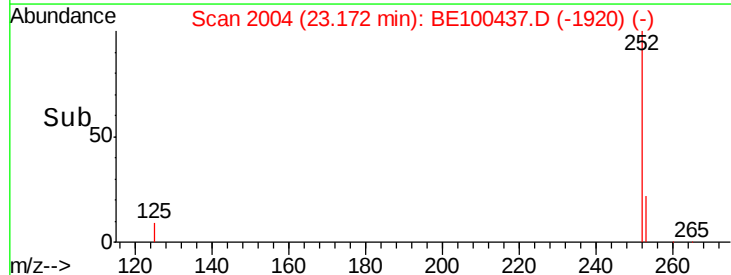
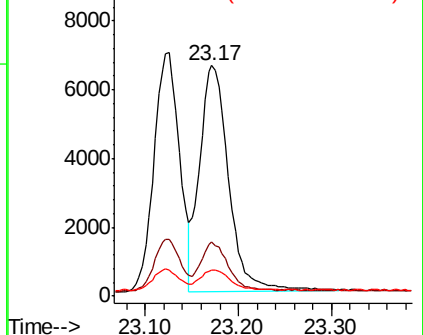
125 11.4 8.3 12.5

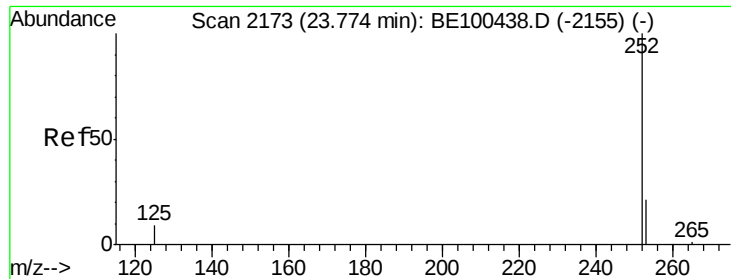


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.162 ng

RT: 23.77 min Scan# 2173

Delta R.T. 0.00 min

Lab File: BE100437.D

Acq: 16 Jul 2019 9:08

Instrument :

BNA\_E

ClientSampleId :

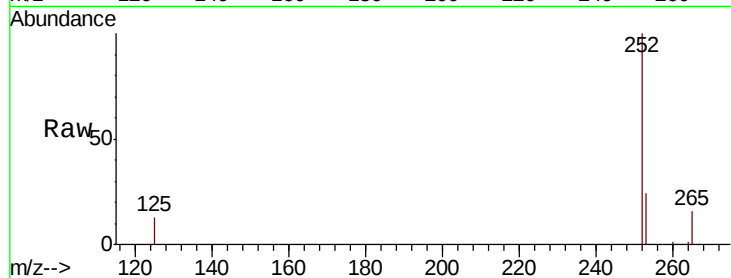
Tot Ion:252 Resp: 10299

Ion Ratio Lower Upper

252 100

253 23.9 18.0 27.0

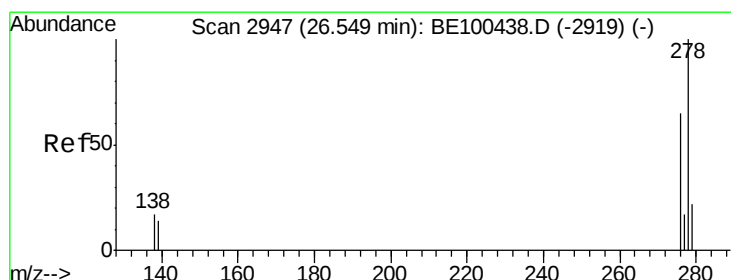
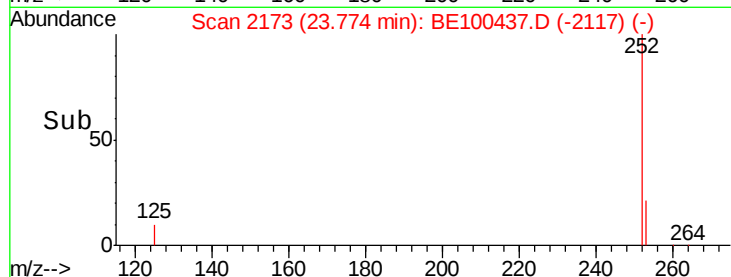
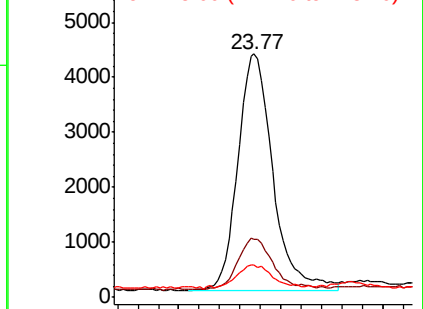
125 13.5 9.0 13.6



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: 0.163 ng

RT: 26.55 min Scan# 2948

Delta R.T. 0.00 min

Lab File: BE100437.D

Acq: 16 Jul 2019 9:08

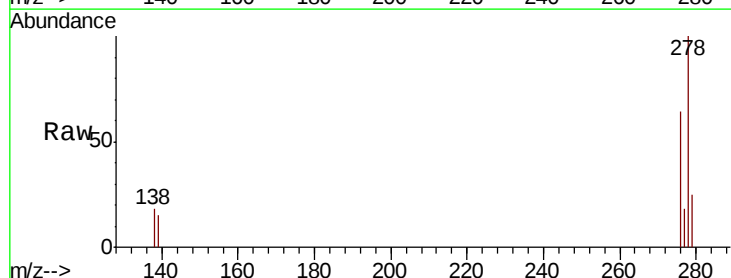
Tgt Ion:278 Resp: 10835

Ion Ratio Lower Upper

278 100

139 15.2 12.2 18.2

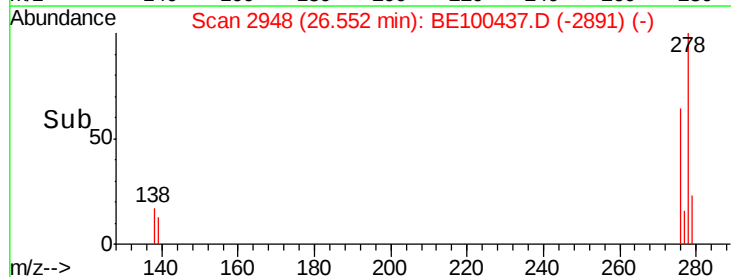
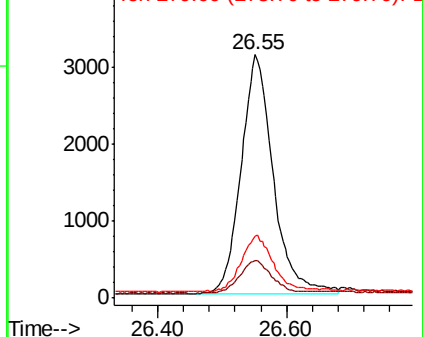
279 25.2 18.6 27.8

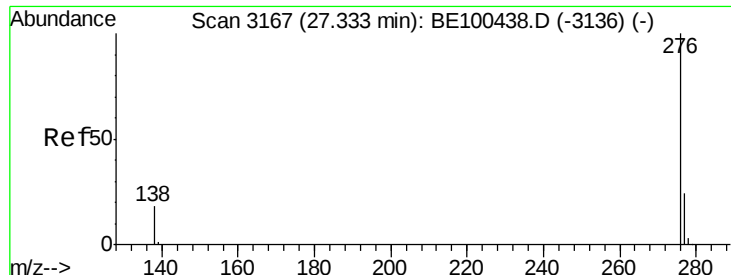


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.177 ng

RT: 27.33 min Scan# 3166

Delta R.T. -0.00 min

Lab File: BE100437.D

Acq: 16 Jul 2019 9:08

Instrument :

BNA\_E

ClientSampleId :

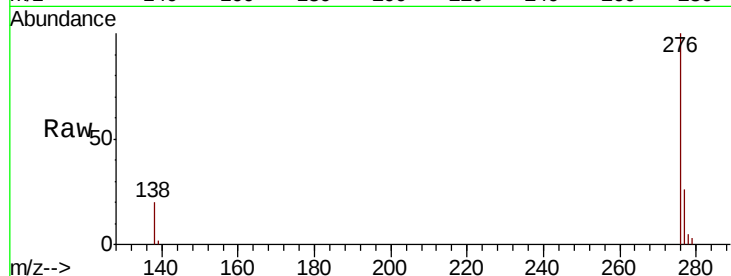
Tot Ion: 276 Resp: 12237

Ion Ratio Lower Upper

276 100

277 26.2 19.6 29.4

138 20.2 15.1 22.7



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

