

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092519\  
 Data File : BE100558.D  
 Acq On : 25 Sep 2019 16:02  
 Operator : JU  
 Sample : K4995-17  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Sep 26 00:41:10 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE092019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 20 18:26:17 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.86  | 152  | 7597     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.64 | 136  | 36431    | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 14.48 | 164  | 22376    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.20 | 188  | 51103    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.37 | 240  | 58672    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.84 | 264  | 67238    | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.43  | 112  | 6484     | 0.36 | ng    | 0.00     |
| 5) Phenol-d6                | 7.01  | 99   | 9354     | 0.38 | ng    | -0.01    |
| 8) Nitrobenzene-d5          | 9.00  | 82   | 7336     | 0.35 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 12.24 | 152  | 15839    | 0.29 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 15.96 | 330  | 2034     | 0.56 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 13.12 | 172  | 19801    | 0.25 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 19.22 | 212  | 182998   | 0.30 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.82 | 244  | 43531    | 0.31 | ng    | 0.00     |

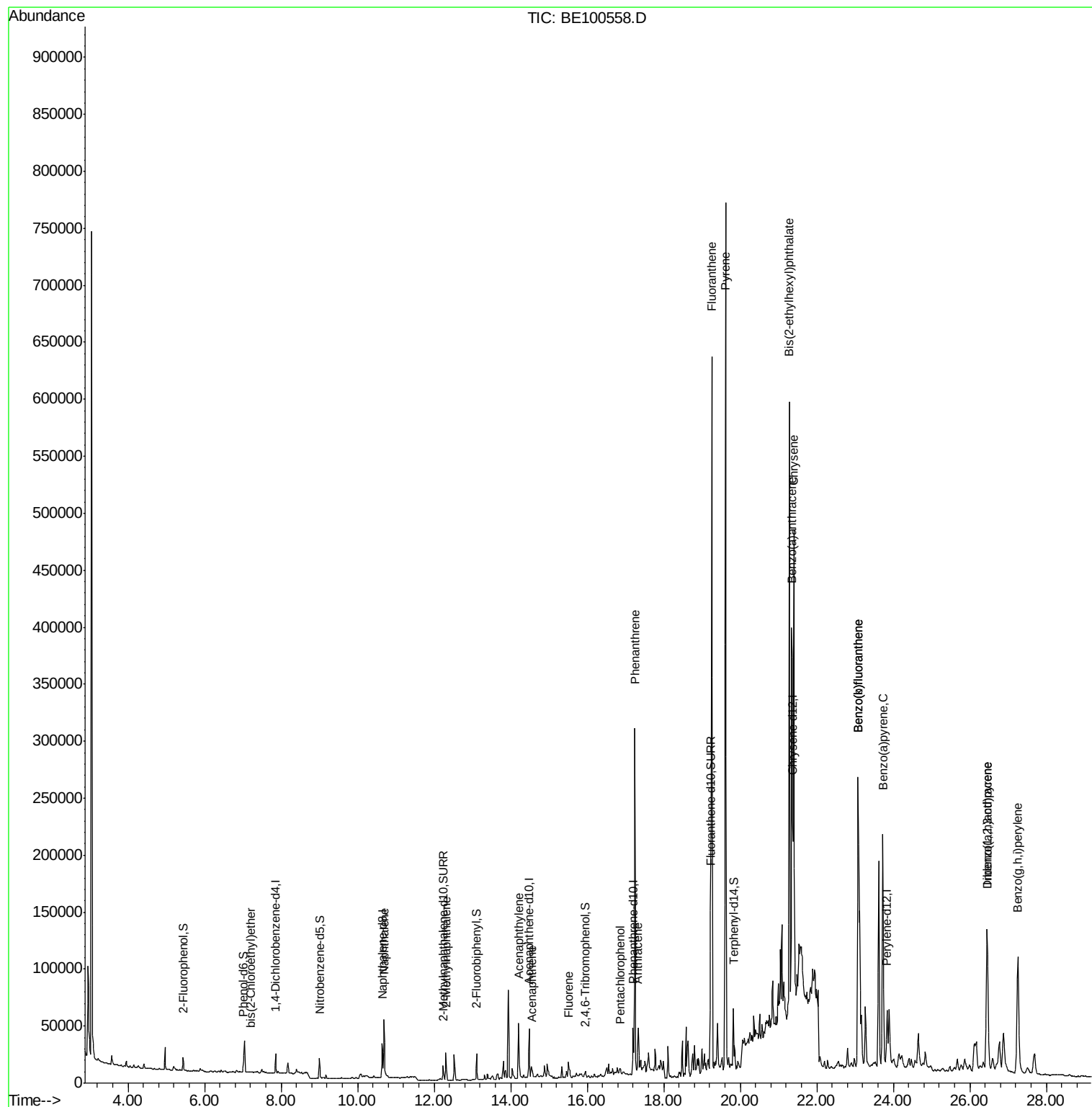
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 6) bis(2-Chloroethyl)ether     | 7.20  | 93   | 1487     | 0.060 | ng    | # 1    |
| 9) Naphthalene                 | 10.69 | 128  | 82003    | 0.217 | ng    | 100    |
| 12) 2-Methylnaphthalene        | 12.31 | 142  | 16445    | 0.274 | ng    | 99     |
| 16) Acenaphthylene             | 14.21 | 152  | 69427    | 0.754 | ng    | 99     |
| 17) Acenaphthene               | 14.54 | 154  | 4583     | 0.074 | ng    | 93     |
| 18) Fluorene                   | 15.51 | 166  | 13232    | 0.170 | ng    | # 84   |
| 22) Pentachlorophenol          | 16.85 | 266  | 864      | 0.349 | ng    | 96     |
| 23) Phenanthrene               | 17.24 | 178  | 305191   | 2.143 | ng    | 100    |
| 24) Anthracene                 | 17.34 | 178  | 43722    | 0.365 | ng    | 97     |
| 26) Fluoranthene               | 19.25 | 202  | 556708   | 3.242 | ng    | 98     |
| 28) Pyrene                     | 19.62 | 202  | 669061   | 3.963 | ng    | 96     |
| 30) Benzo(a)anthracene         | 21.34 | 228  | 330137   | 2.107 | ng    | 94     |
| 31) Chrysene                   | 21.40 | 228  | 399470   | 2.237 | ng    | 96     |
| 32) Bis(2-ethylhexyl)phthalate | 21.28 | 149  | 604417   | 3.579 | ng    | 100    |
| 33) Indeno(1,2,3-cd)pyrene     | 26.45 | 276  | 231960   | 1.169 | ng    | 97     |
| 35) Benzo(b)fluoranthene       | 23.08 | 252  | 463738   | 2.549 | ng    | # 97   |
| 36) Benzo(k)fluoranthene       | 23.08 | 252  | 463738   | 2.203 | ng    | 97     |
| 37) Benzo(a)pyrene             | 23.73 | 252  | 330167   | 1.945 | ng    | 97     |
| 38) Dibenzo(a,h)anthracene     | 26.46 | 278  | 64665    | 0.366 | ng    | # 83   |
| 39) Benzo(g,h,i)perylene       | 27.25 | 276  | 249541   | 1.352 | ng    | 96     |

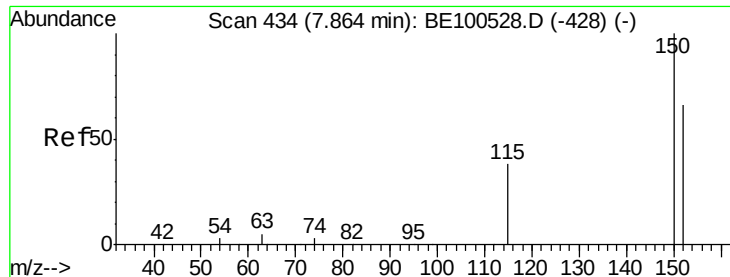
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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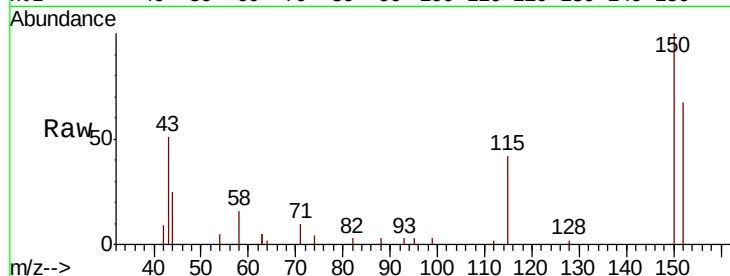


#1

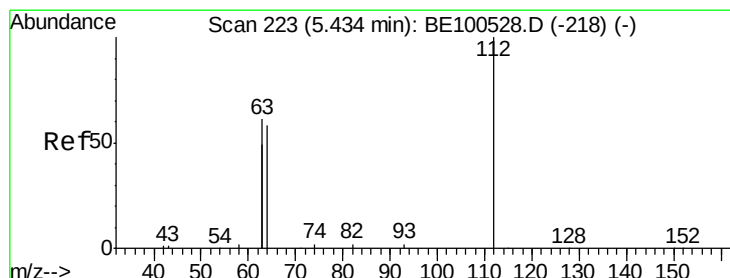
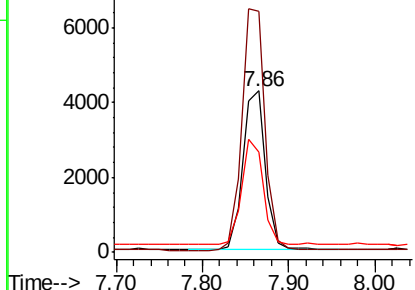
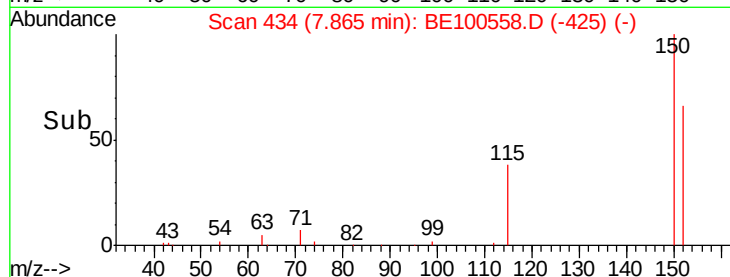
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.86 min Scan# 434  
Delta R.T. 0.00 min  
Lab File: BE100558.D  
Acq: 25 Sep 2019 16:02

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:152 Resp: 7597  
Ion Ratio Lower Upper  
152 100  
150 149.9 121.6 182.4  
115 62.3 48.2 72.4



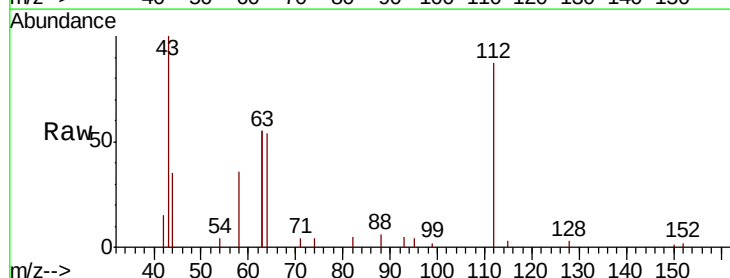
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



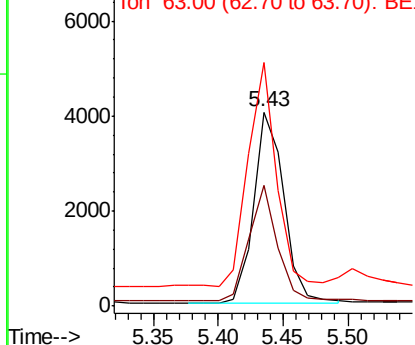
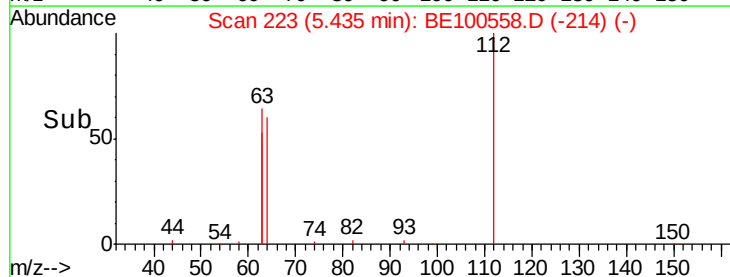
#4

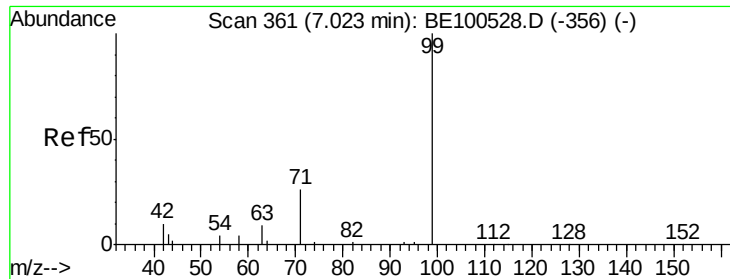
2-Fluorophenol  
Concen: 0.365 ng  
RT: 5.43 min Scan# 223  
Delta R.T. 0.00 min  
Lab File: BE100558.D  
Acq: 25 Sep 2019 16:02

Tgt Ion:112 Resp: 6484  
Ion Ratio Lower Upper  
112 100  
64 57.2 44.1 66.1  
63 110.5 86.5 129.7



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





#5

Phenol-d6

Concen: 0.384 ng

RT: 7.01 min Scan# 360

Delta R.T. -0.01 min

Lab File: BE100558.D

Acq: 25 Sep 2019 16:02

Instrument :

BNA\_E

ClientSampleId :

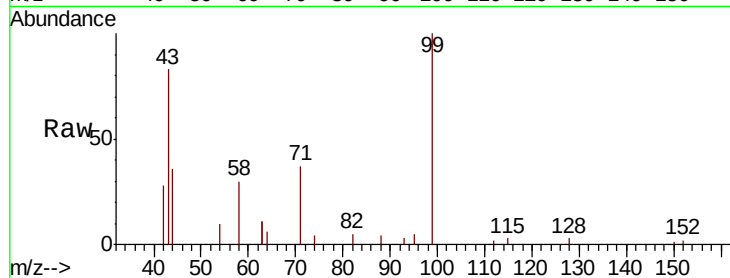
Tot Ion: 99 Resp: 9354

Ion Ratio Lower Upper

99 100

42 25.6 13.0 19.6#

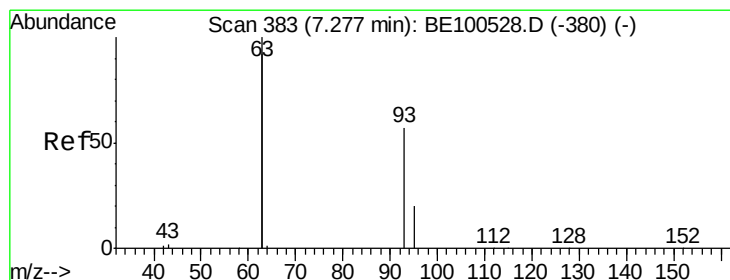
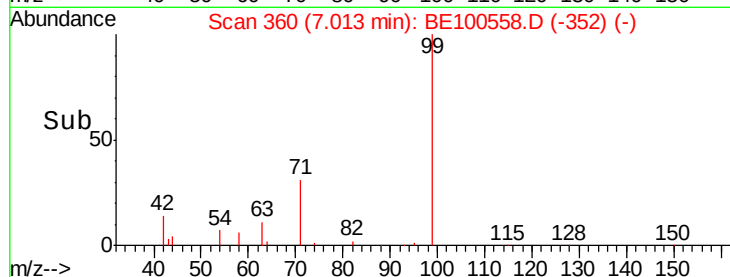
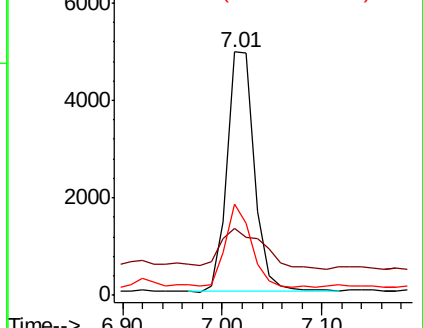
71 32.3 23.4 35.0



Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1



#6

bis(2-Chloroethyl)ether

Concen: 0.060 ng

RT: 7.20 min Scan# 376

Delta R.T. -0.08 min

Lab File: BE100558.D

Acq: 25 Sep 2019 16:02

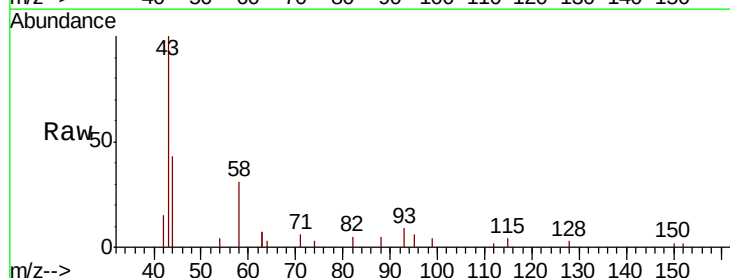
Tgt Ion: 93 Resp: 1487

Ion Ratio Lower Upper

93 100

63 0.0 213.4 320.0#

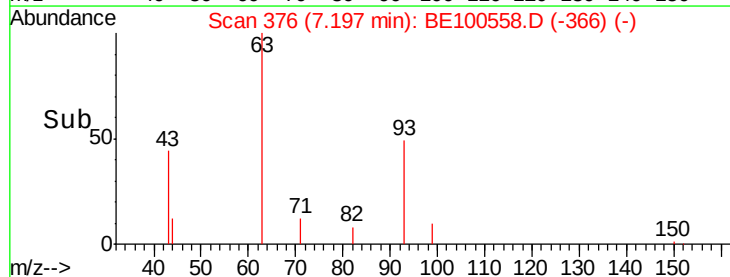
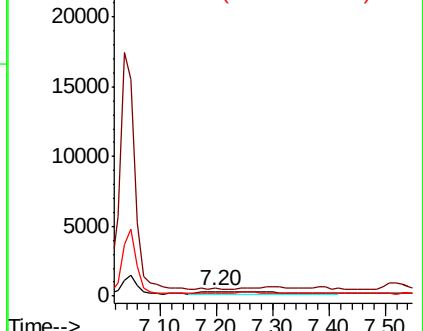
95 0.0 23.7 35.5#

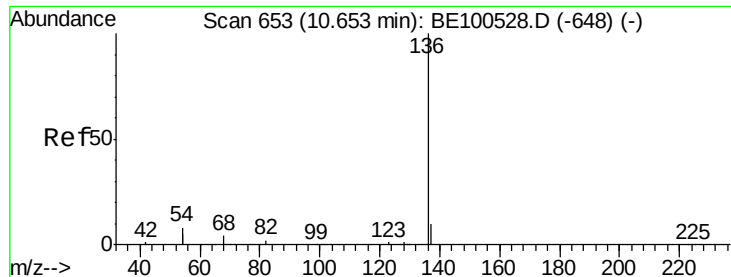


Abundance Ion 93.00 (92.70 to 93.70): BE1

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: 10.64 min Scan# 652

Delta R.T. -0.01 min

Lab File: BE100558.D

Acq: 25 Sep 2019 16:02

Instrument :

BNA\_E

ClientSampleId :

Tot Ion:136 Resp: 36431

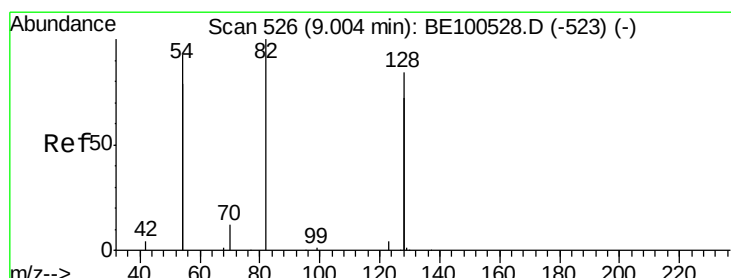
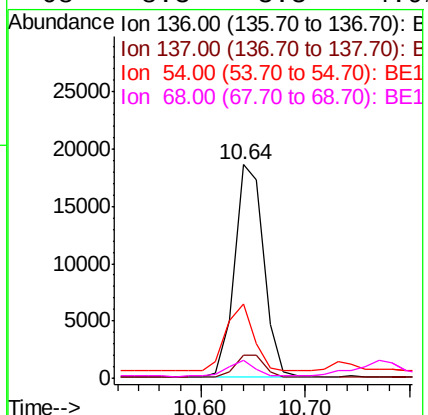
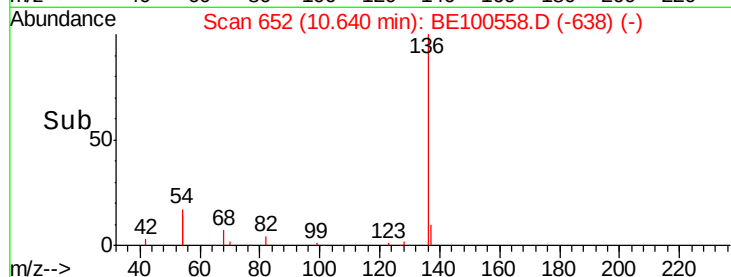
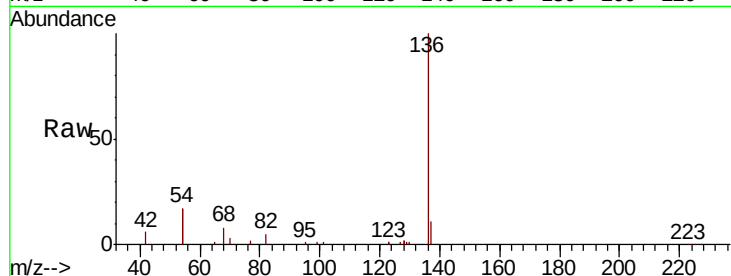
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 34.8 12.4 18.6#

68 8.3 3.3 4.9#



#8

Nitrobenzene-d5

Concen: 0.349 ng

RT: 9.00 min Scan# 526

Delta R.T. -0.00 min

Lab File: BE100558.D

Acq: 25 Sep 2019 16:02

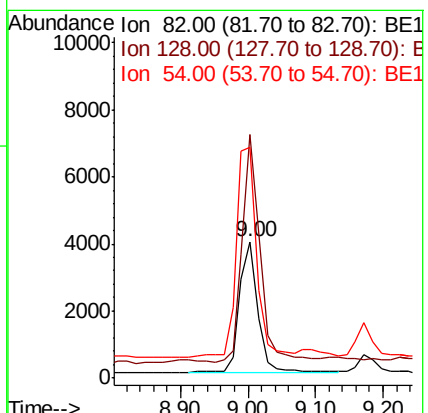
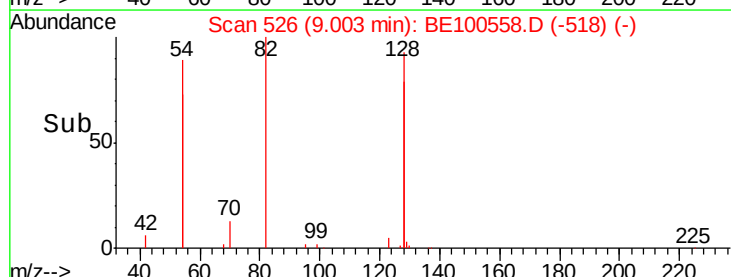
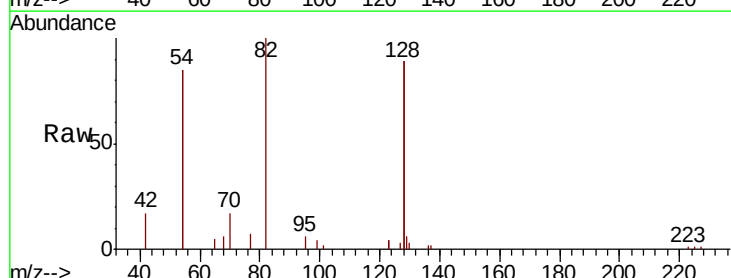
Tgt Ion: 82 Resp: 7336

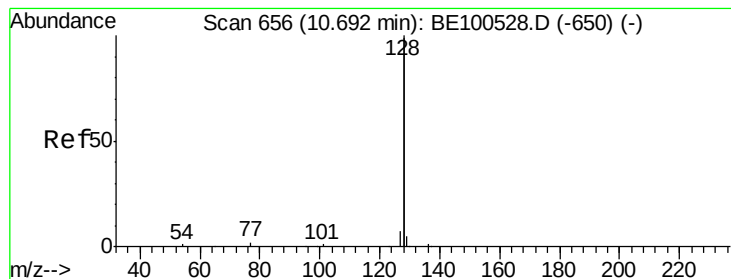
Ion Ratio Lower Upper

82 100

128 178.6 129.4 194.2

54 169.8 143.3 214.9





#9

Naphthalene

Concen: 0.217 ng

RT: 10.69 min Scan# 656

Delta R.T. -0.00 min

Lab File: BE100558.D

Acq: 25 Sep 2019 16:02

Instrument :

BNA\_E

ClientSampleId :

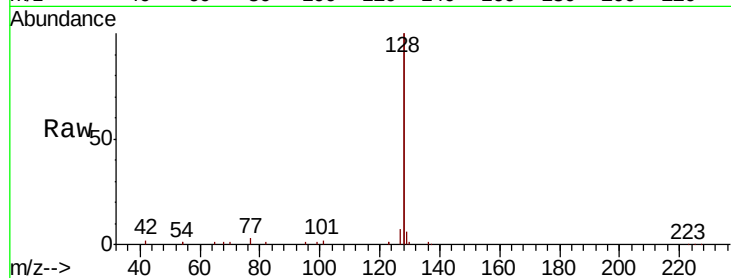
Tot Ion:128 Resp: 82003

Ion Ratio Lower Upper

128 100

129 3.0 2.2 3.4

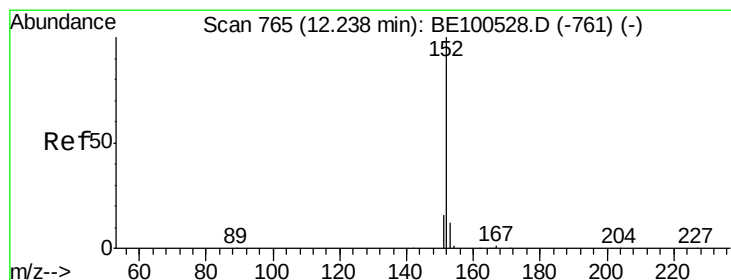
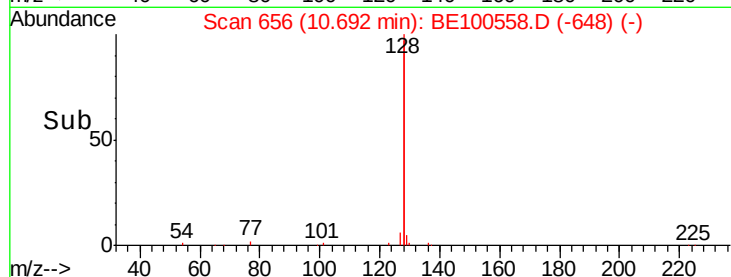
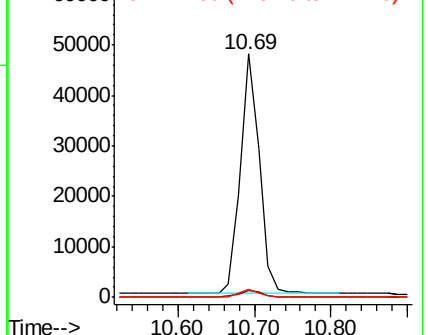
127 3.4 2.7 4.1



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



#11

2-Methylnaphthalene-d10

Concen: 0.291 ng

RT: 12.24 min Scan# 765

Delta R.T. -0.00 min

Lab File: BE100558.D

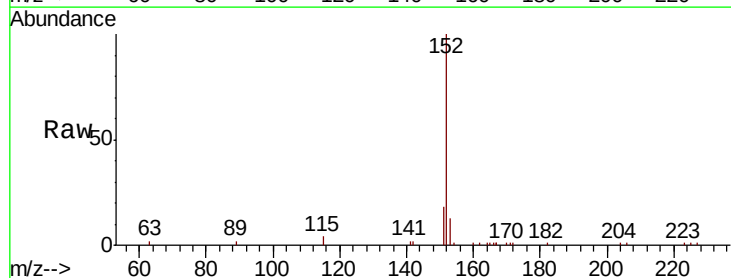
Acq: 25 Sep 2019 16:02

Tgt Ion:152 Resp: 15839

Ion Ratio Lower Upper

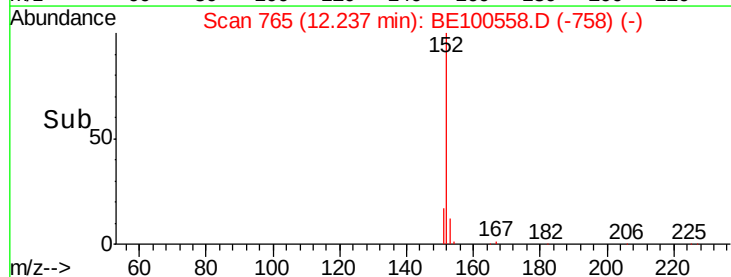
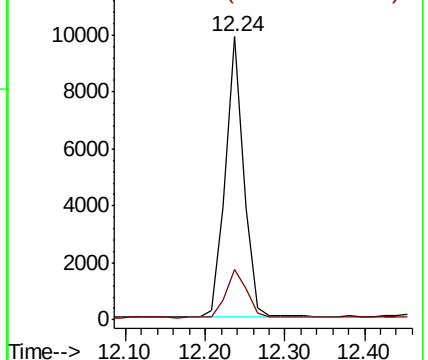
152 100

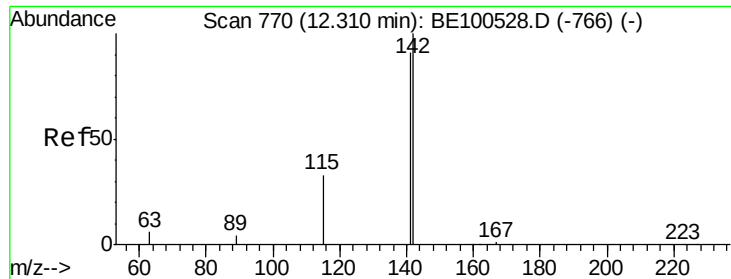
151 19.2 15.3 22.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.274 ng

RT: 12.31 min Scan# 770

Delta R.T. -0.00 min

Lab File: BE100558.D

Acq: 25 Sep 2019 16:02

Instrument :

BNA\_E

ClientSampled :

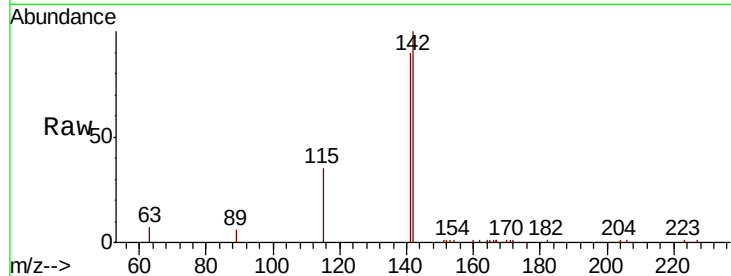
Tot Ion:142 Resp: 16445

Ion Ratio Lower Upper

142 100

141 89.7 72.5 108.7

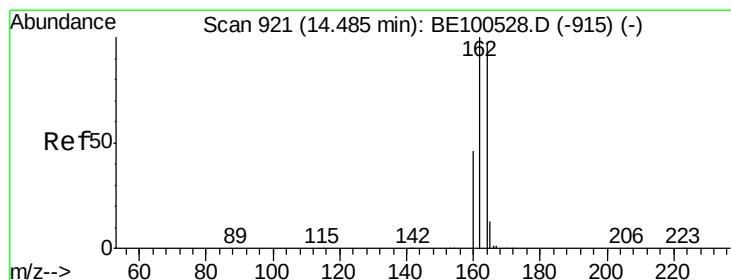
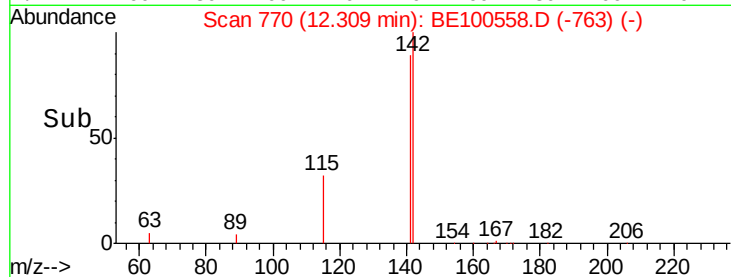
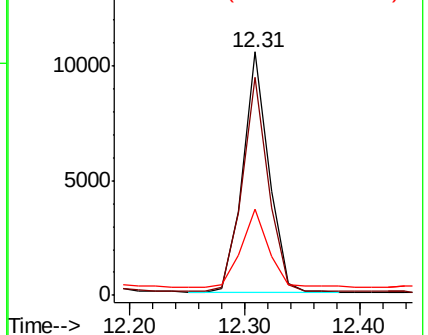
115 35.2 27.2 40.8



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: 14.48 min Scan# 921

Delta R.T. -0.00 min

Lab File: BE100558.D

Acq: 25 Sep 2019 16:02

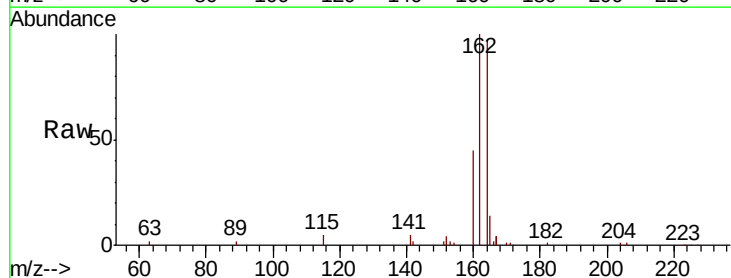
Tgt Ion:164 Resp: 22376

Ion Ratio Lower Upper

164 100

162 103.5 82.1 123.1

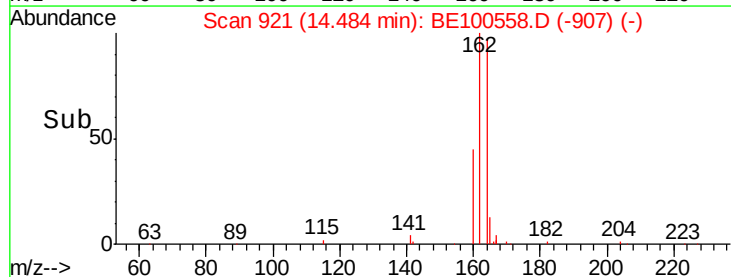
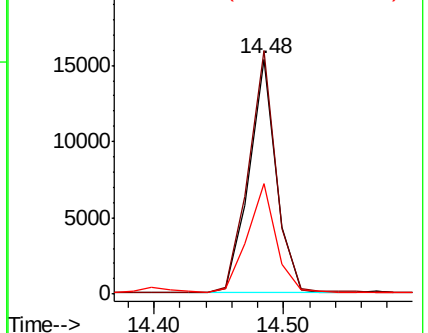
160 47.0 37.6 56.4

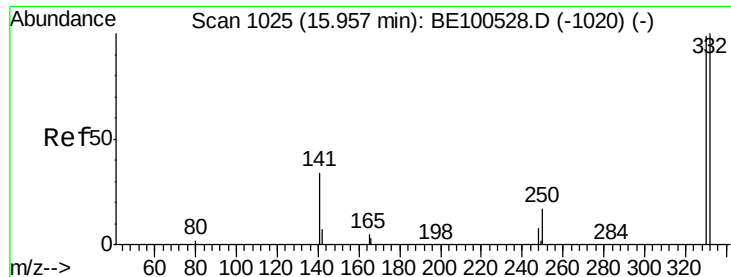


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#14

2,4,6-Tribromophenol

Concen: 0.562 ng

RT: 15.96 min Scan# 1025

Delta R.T. -0.00 min

Lab File: BE100558.D

Acq: 25 Sep 2019 16:02

Instrument :

BNA\_E

ClientSampleId :

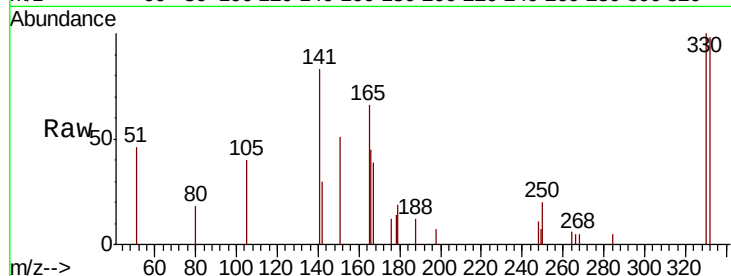
Tot Ion:330 Resp: 2034

Ion Ratio Lower Upper

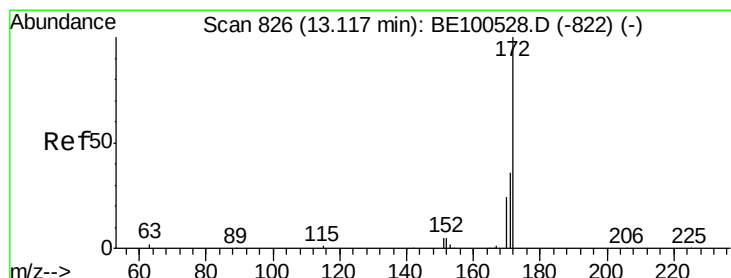
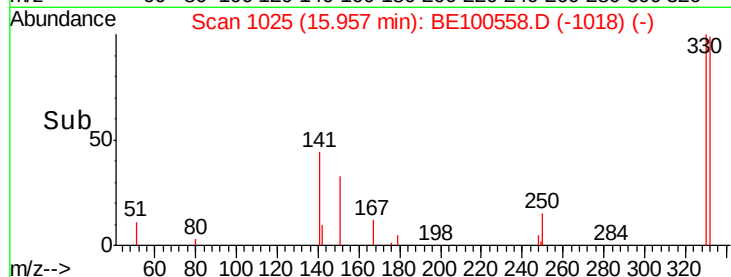
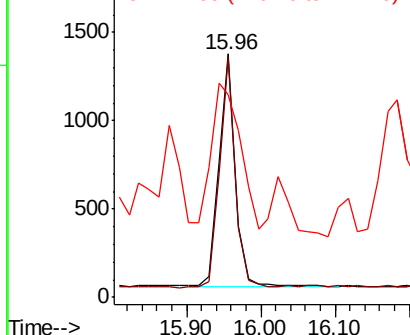
330 100

332 94.9 75.5 113.3

141 108.3 42.3 63.5#



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: 0.248 ng

RT: 13.12 min Scan# 826

Delta R.T. -0.00 min

Lab File: BE100558.D

Acq: 25 Sep 2019 16:02

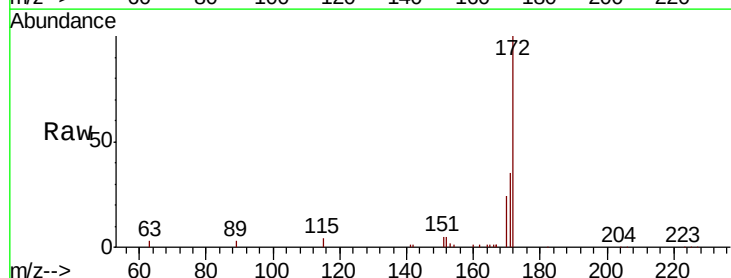
Tgt Ion:172 Resp: 19801

Ion Ratio Lower Upper

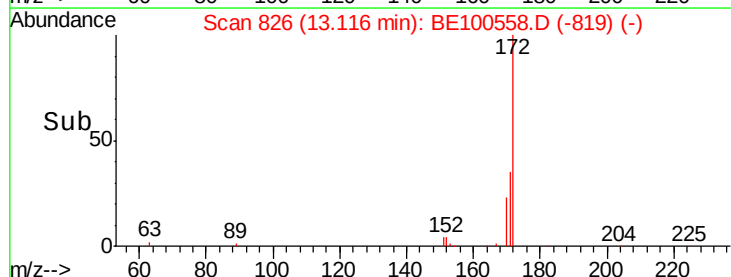
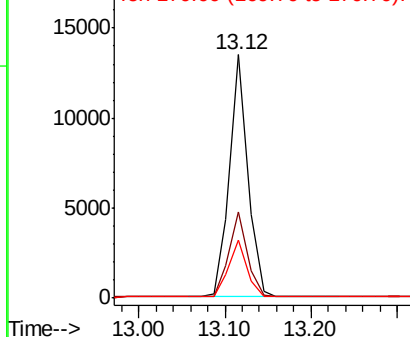
172 100

171 35.3 28.8 43.2

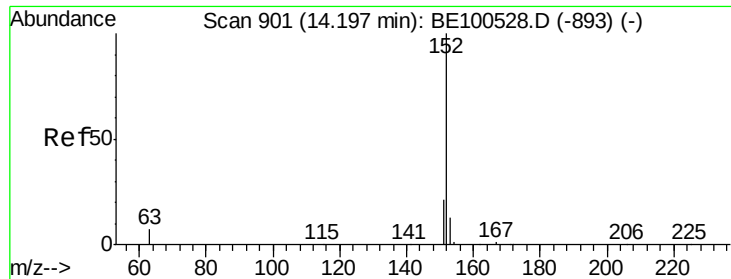
170 23.8 19.4 29.0



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



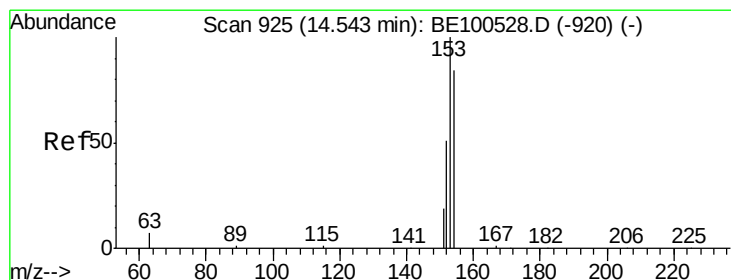
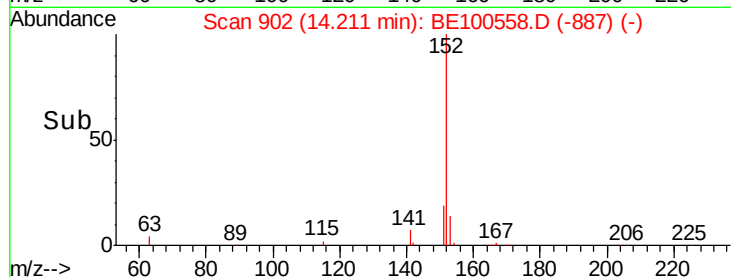
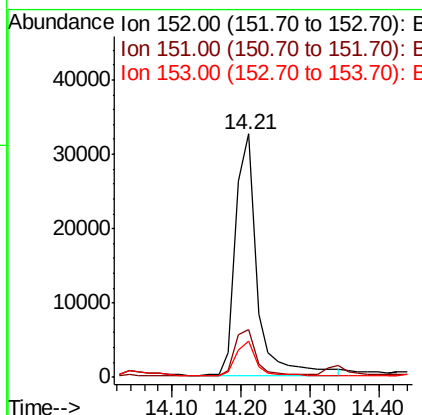
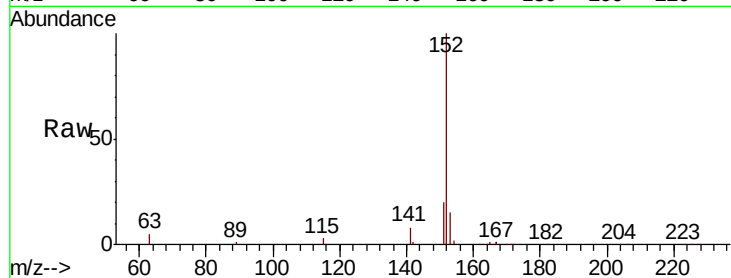




#16  
Acenaphthylene  
Concen: 0.754 ng  
RT: 14.21 min Scan# 902  
Delta R.T. 0.01 min  
Lab File: BE100558.D  
Acq: 25 Sep 2019 16:02

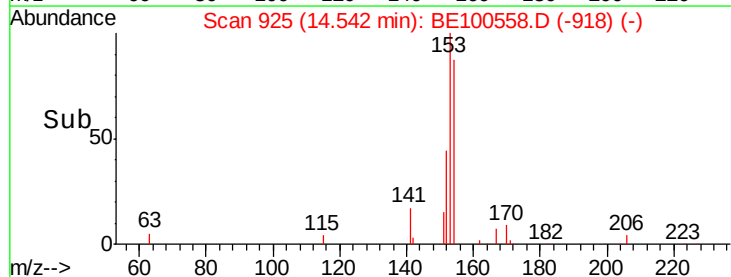
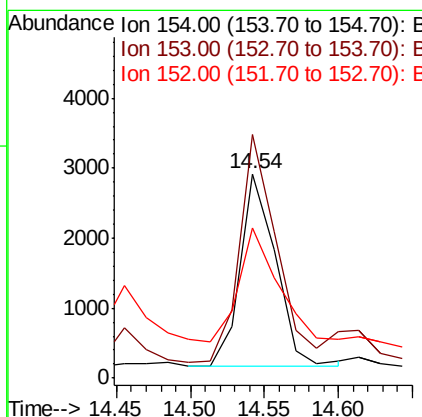
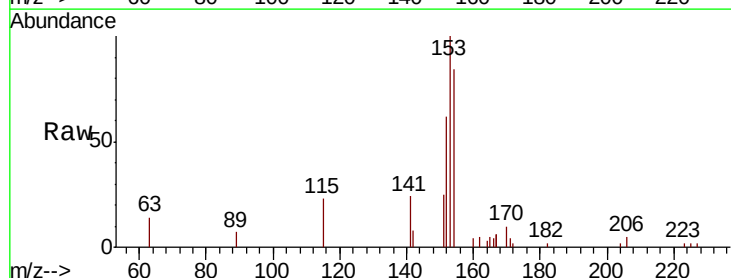
Instrument :  
BNA\_E  
ClientSampleId :

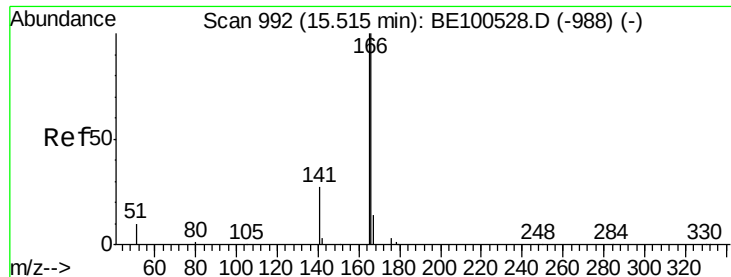
Tot Ion:152 Resp: 69427  
Ion Ratio Lower Upper  
152 100  
151 19.7 15.9 23.9  
153 13.9 10.7 16.1



#17  
Acenaphthene  
Concen: 0.074 ng  
RT: 14.54 min Scan# 925  
Delta R.T. -0.00 min  
Lab File: BE100558.D  
Acq: 25 Sep 2019 16:02

Tgt Ion:154 Resp: 4583  
Ion Ratio Lower Upper  
154 100  
153 122.8 93.7 140.5  
152 67.8 47.3 70.9

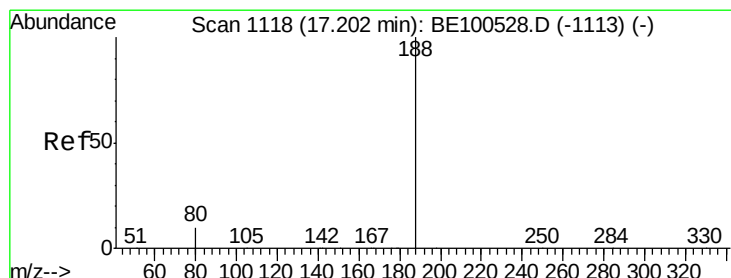
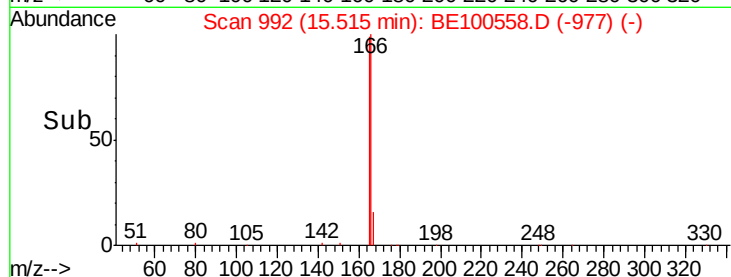
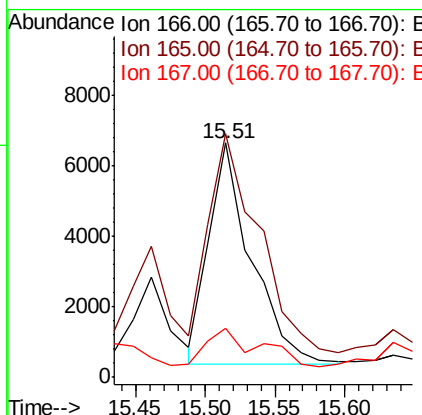
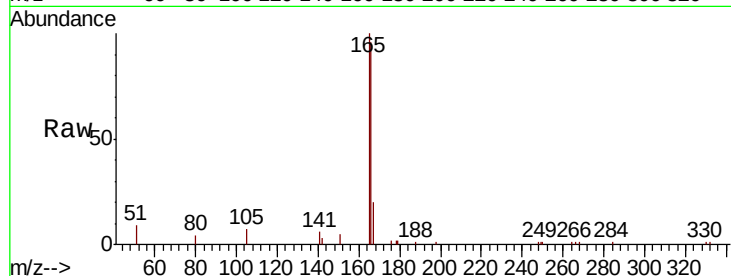




#18  
 Fluorene  
 Concen: 0.170 ng  
 RT: 15.51 min Scan# 992  
 Delta R.T. -0.00 min  
 Lab File: BE100558.D  
 Acq: 25 Sep 2019 16:02

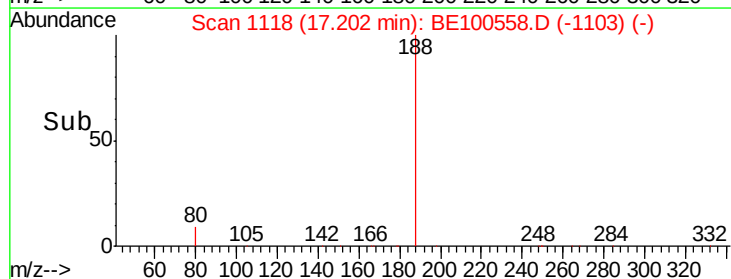
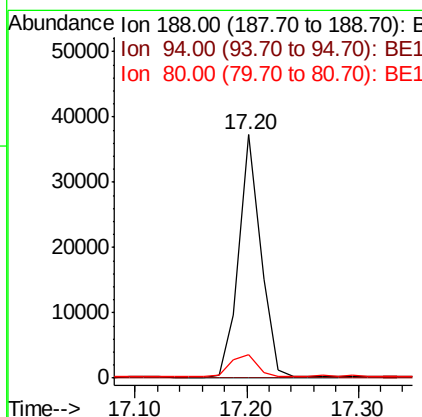
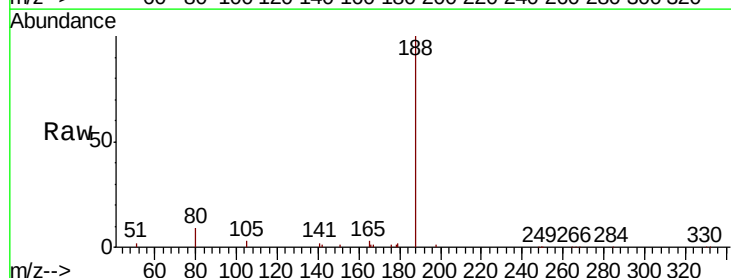
Instrument :  
 BNA\_E  
 ClientSampleId :

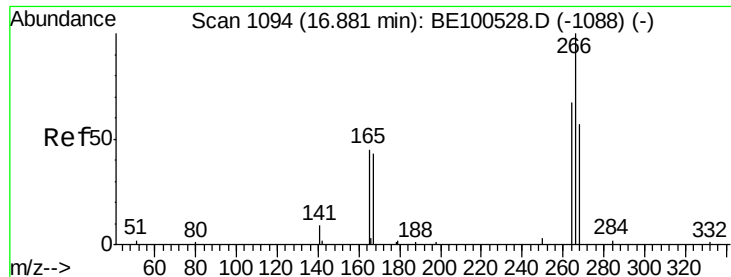
Tot Ion:166 Resp: 13232  
 Ion Ratio Lower Upper  
 166 100  
 165 115.4 80.1 120.1  
 167 21.8 10.9 16.3#



#19  
 Phenanthrene-d10  
 Concen: 0.400 ng  
 RT: 17.20 min Scan# 1118  
 Delta R.T. -0.00 min  
 Lab File: BE100558.D  
 Acq: 25 Sep 2019 16:02

Tgt Ion:188 Resp: 51103  
 Ion Ratio Lower Upper  
 188 100  
 94 0.0 0.0 0.0  
 80 9.4 8.0 12.0





#22

Pentachlorophenol

Concen: 0.349 ng

RT: 16.85 min Scan# 1092

Delta R.T. -0.03 min

Lab File: BE100558.D

Acq: 25 Sep 2019 16:02

Instrument :

BNA\_E

ClientSampleId :

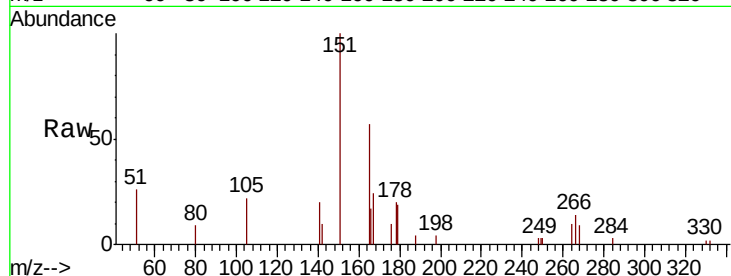
Tot Ion:266 Resp: 864

Ion Ratio Lower Upper

266 100

264 76.5 57.6 86.4

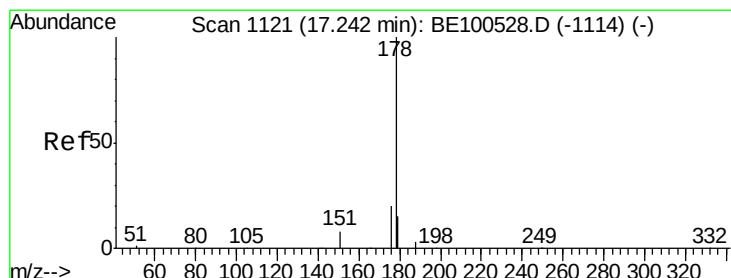
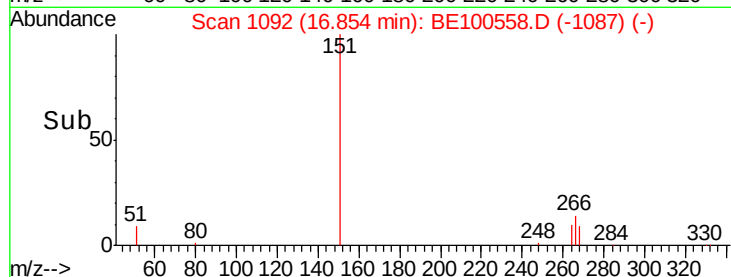
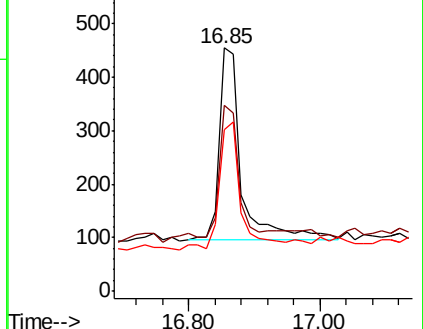
268 66.4 55.1 82.7



Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



#23

Phenanthrene

Concen: 2.143 ng

RT: 17.24 min Scan# 1121

Delta R.T. -0.00 min

Lab File: BE100558.D

Acq: 25 Sep 2019 16:02

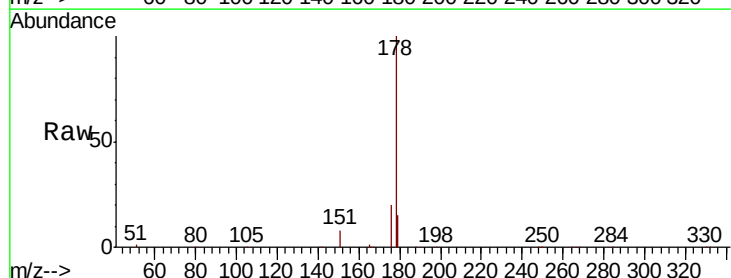
Tgt Ion:178 Resp: 305191

Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.2

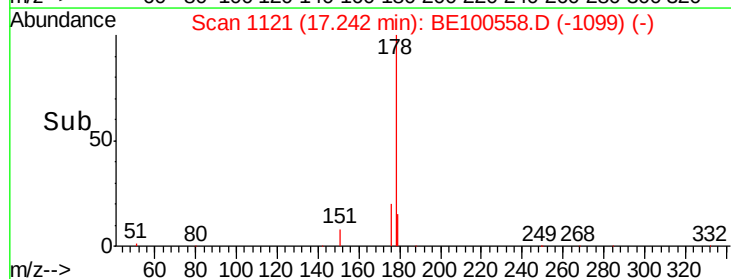
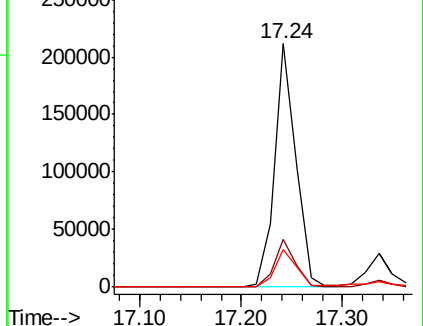
179 15.8 12.6 18.8

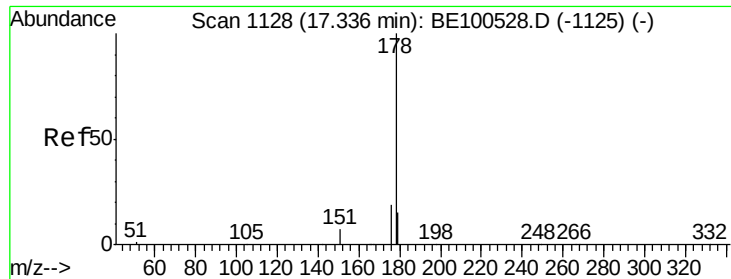


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

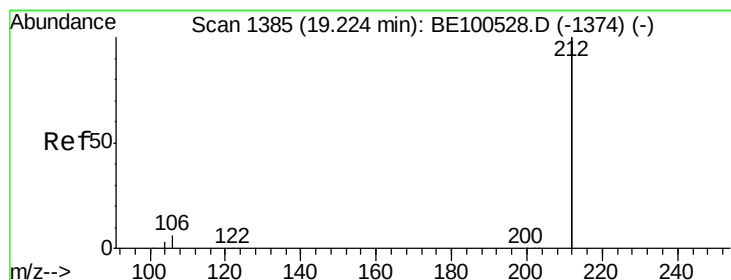
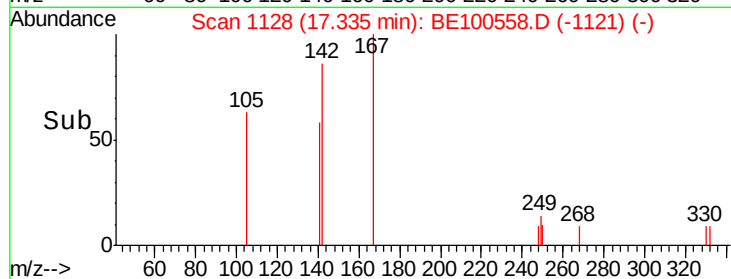
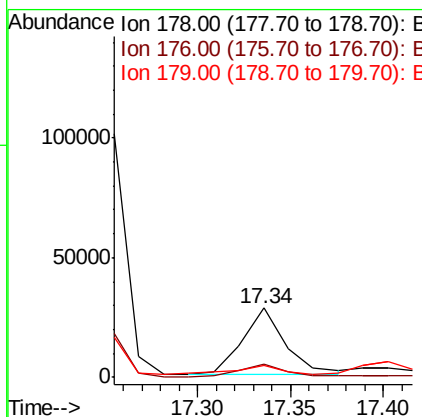
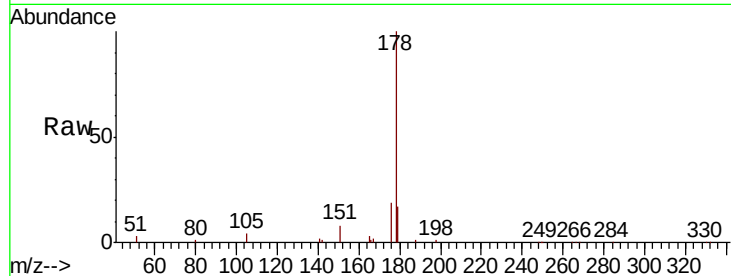




#24  
 Anthracene  
 Concen: 0.365 ng  
 RT: 17.34 min Scan# 1128  
 Delta R.T. -0.00 min  
 Lab File: BE100558.D  
 Acq: 25 Sep 2019 16:02

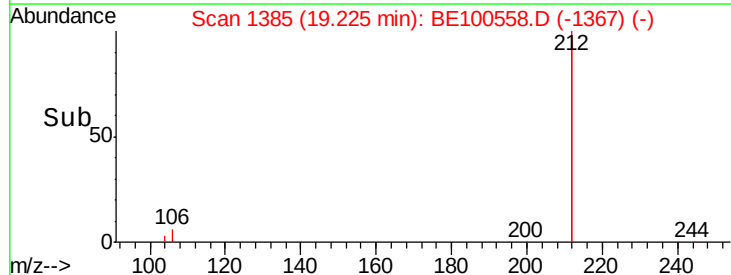
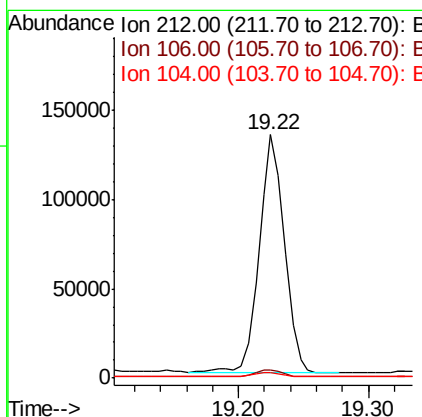
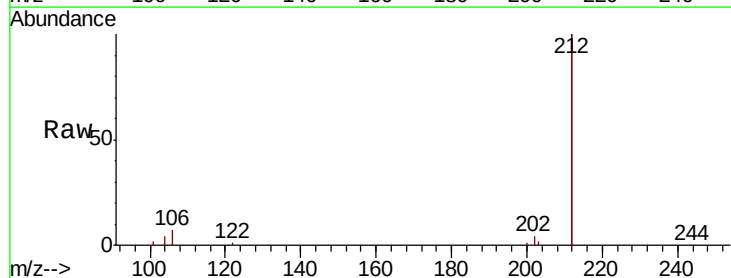
Instrument :  
 BNA\_E  
 ClientSampleId :

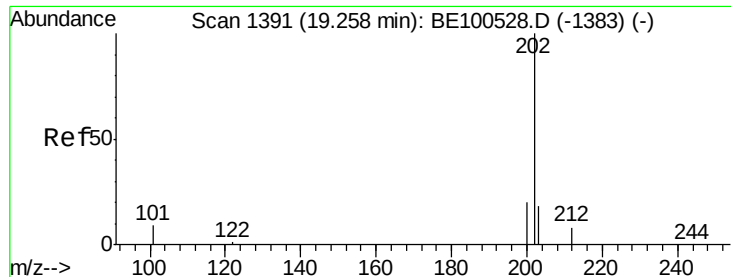
Tot Ion:178 Resp: 43722  
 Ion Ratio Lower Upper  
 178 100  
 176 18.7 15.2 22.8  
 179 17.9 12.2 18.4



#25  
 Fluoranthene-d10  
 Concen: 0.301 ng  
 RT: 19.22 min Scan# 1385  
 Delta R.T. 0.00 min  
 Lab File: BE100558.D  
 Acq: 25 Sep 2019 16:02

Tgt Ion:212 Resp: 182998  
 Ion Ratio Lower Upper  
 212 100  
 106 3.2 2.3 3.5  
 104 2.0 1.3 1.9#

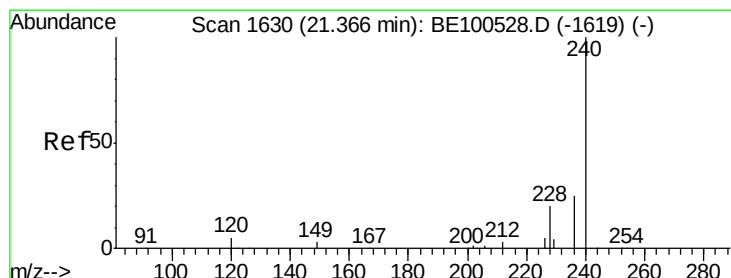
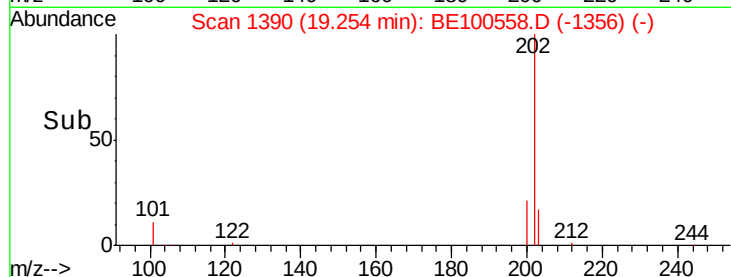
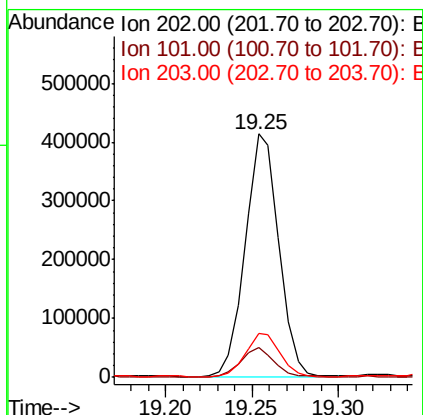
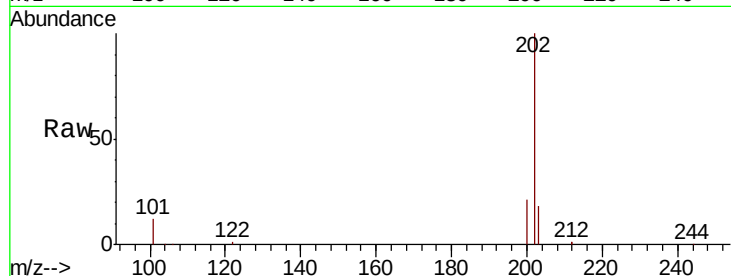




#26  
Fluoranthene  
Concen: 3.242 ng  
RT: 19.25 min Scan# 1390  
Delta R.T. -0.00 min  
Lab File: BE100558.D  
Acq: 25 Sep 2019 16:02

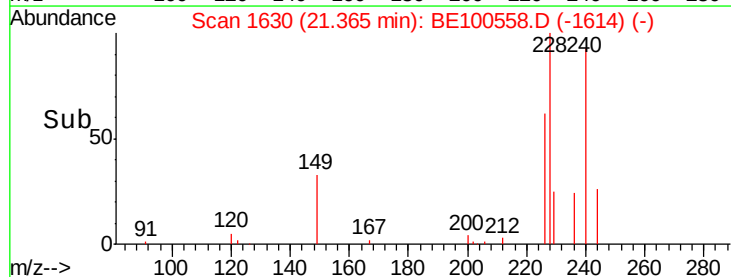
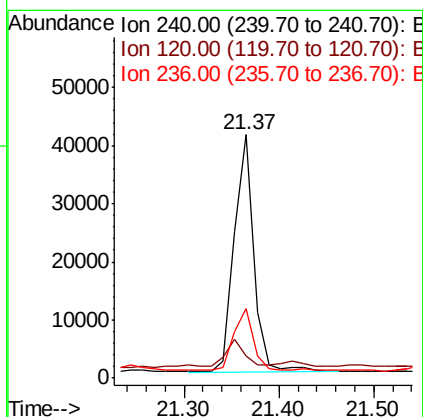
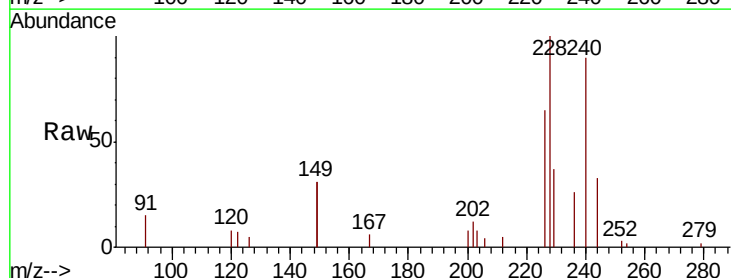
Instrument :  
BNA\_E  
ClientSampleId :

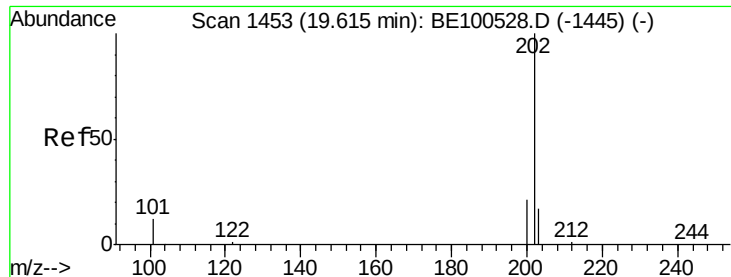
Tot Ion:202 Resp: 556708  
Ion Ratio Lower Upper  
202 100  
101 12.0 8.8 13.2  
203 17.9 13.7 20.5



#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.37 min Scan# 1630  
Delta R.T. -0.00 min  
Lab File: BE100558.D  
Acq: 25 Sep 2019 16:02

Tgt Ion:240 Resp: 58672  
Ion Ratio Lower Upper  
240 100  
120 9.3 4.5 6.7#  
236 28.7 20.6 30.8

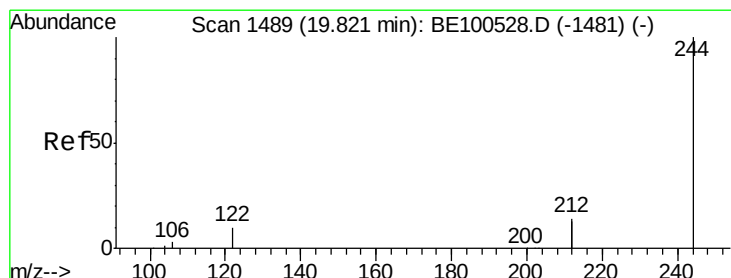
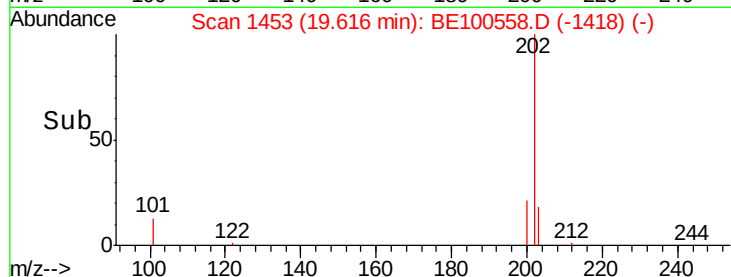
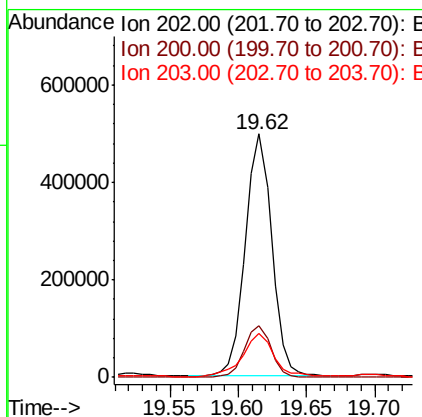
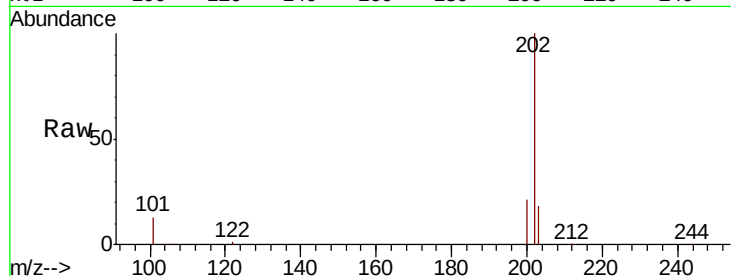




#28  
Pvrene  
Concen: 3.963 ng  
RT: 19.62 min Scan# 1453  
Delta R.T. 0.00 min  
Lab File: BE100558.D  
Acq: 25 Sep 2019 16:02

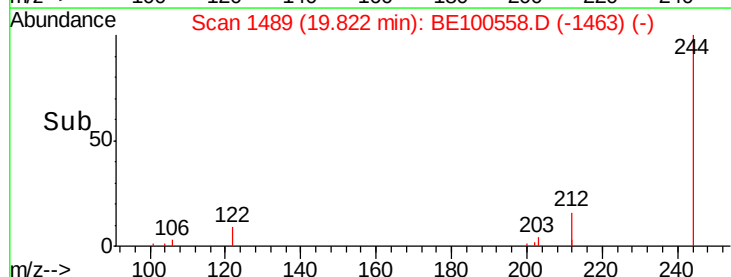
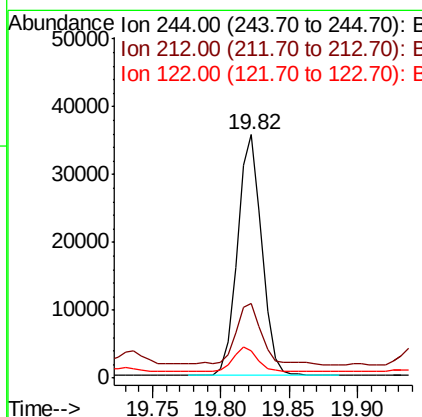
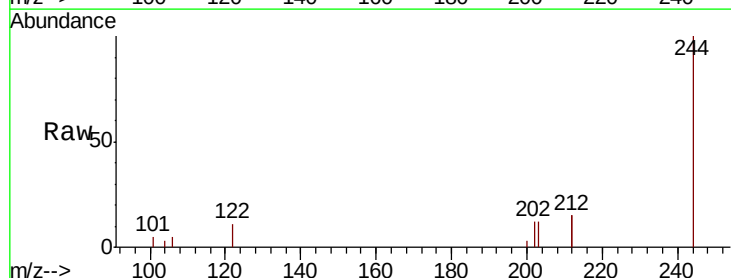
Instrument :  
BNA\_E  
ClientSampleId :

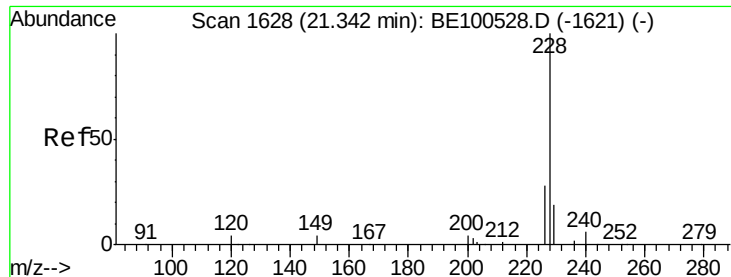
Tot Ion:202 Resp: 669061  
Ion Ratio Lower Upper  
202 100  
200 21.4 16.6 25.0  
203 20.8 14.0 21.0



#29  
Terphenyl-d14  
Concen: 0.313 ng  
RT: 19.82 min Scan# 1489  
Delta R.T. 0.00 min  
Lab File: BE100558.D  
Acq: 25 Sep 2019 16:02

Tgt Ion:244 Resp: 43531  
Ion Ratio Lower Upper  
244 100  
212 30.9 22.2 33.2  
122 11.4 8.3 12.5

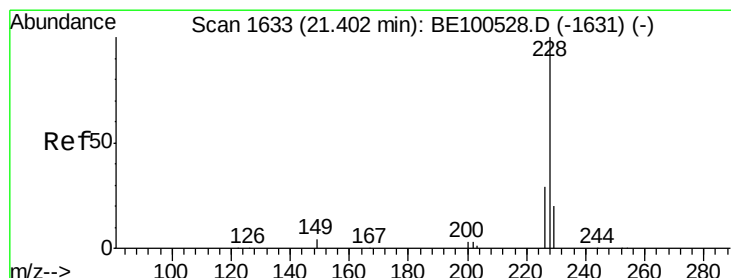
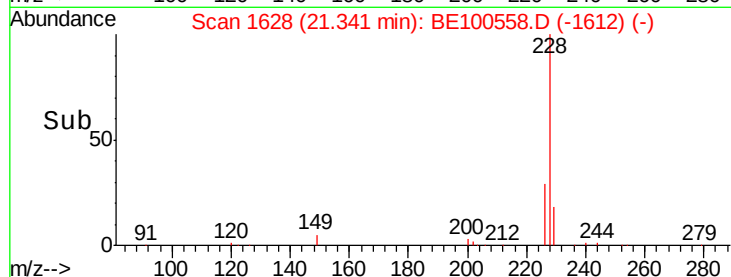
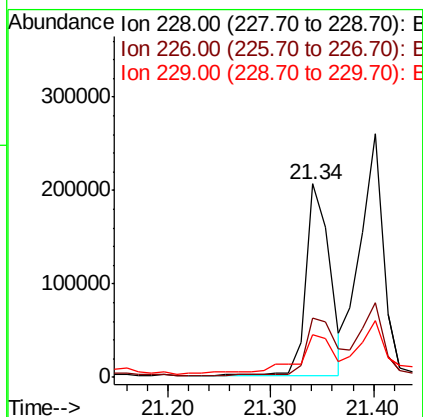
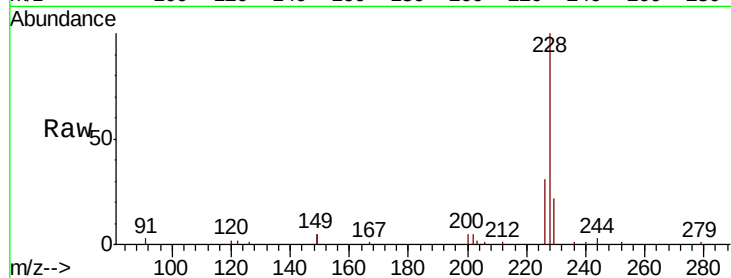




#30  
Benzo(a)anthracene  
Concen: 2.107 ng  
RT: 21.34 min Scan# 1628  
Delta R.T. -0.00 min  
Lab File: BE100558.D  
Acq: 25 Sep 2019 16:02

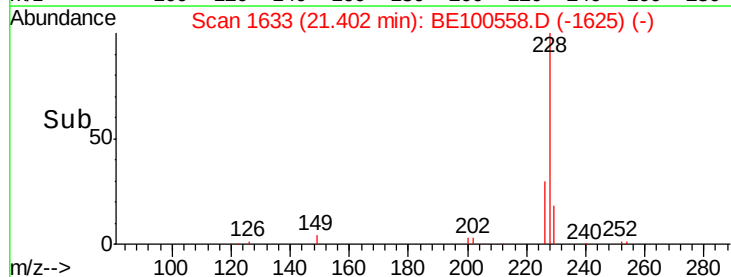
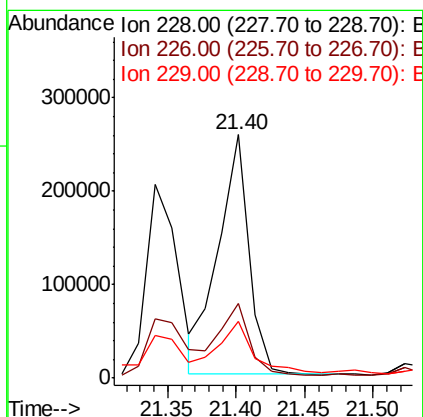
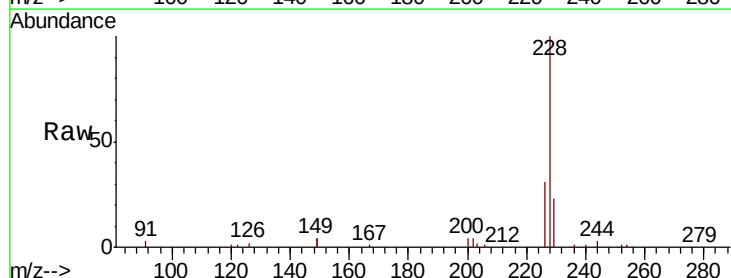
Instrument :  
BNA\_E  
ClientSampleId :

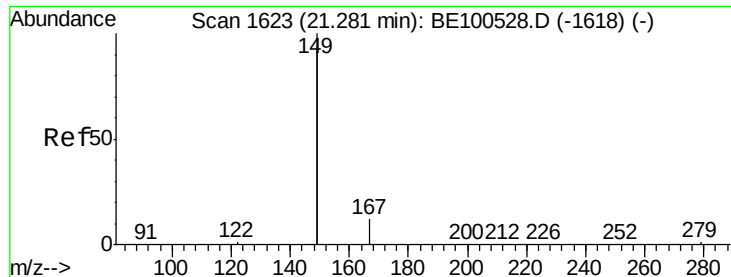
Tot Ion:228 Resp: 330137  
Ion Ratio Lower Upper  
228 100  
226 30.9 22.5 33.7  
229 22.2 15.4 23.2



#31  
Chrysene  
Concen: 2.237 ng  
RT: 21.40 min Scan# 1633  
Delta R.T. -0.00 min  
Lab File: BE100558.D  
Acq: 25 Sep 2019 16:02

Tgt Ion:228 Resp: 399470  
Ion Ratio Lower Upper  
228 100  
226 30.7 23.3 34.9  
229 23.4 16.3 24.5





#32

Bis(2-ethylhexyl)phthalate

Concen: 3.579 ng

RT: 21.28 min Scan# 1623

Delta R.T. -0.00 min

Lab File: BE100558.D

Acq: 25 Sep 2019 16:02

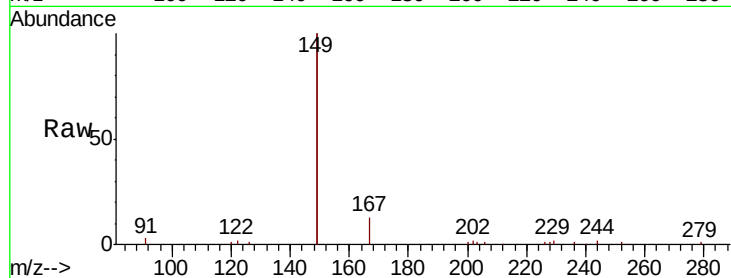
Instrument :

BNA\_E

ClientSampleId :

Tot Ion:149 Resp: 604417

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 6.6   | 5.2   | 7.8   |
| 279 | 1.1   | 1.0   | 1.4   |

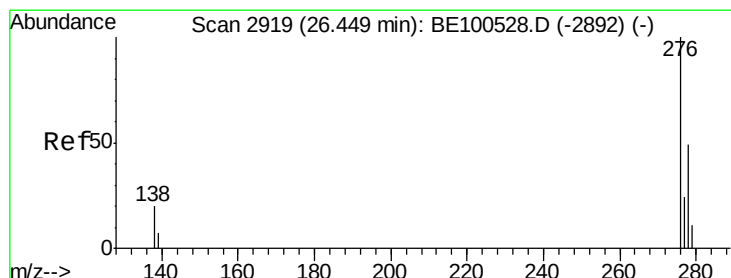
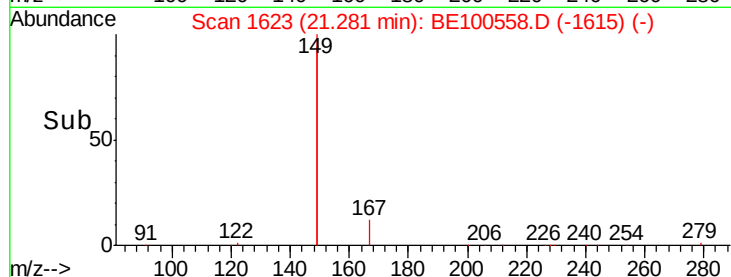
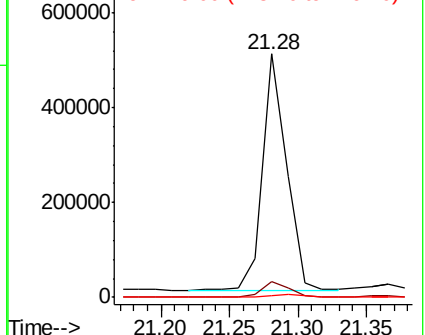


Abundance

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: 1.169 ng

RT: 26.45 min Scan# 2919

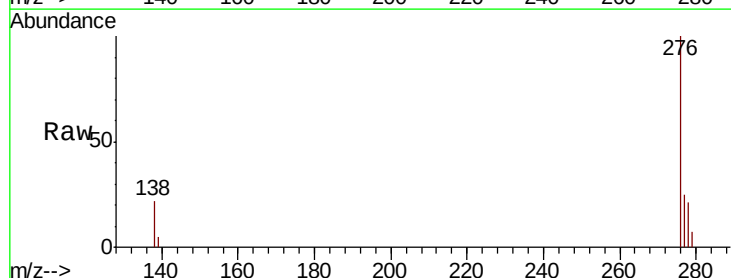
Delta R.T. -0.00 min

Lab File: BE100558.D

Acq: 25 Sep 2019 16:02

Tgt Ion:276 Resp: 231960

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 19.7  | 17.7  | 26.5  |
| 277 | 25.3  | 19.9  | 29.9  |

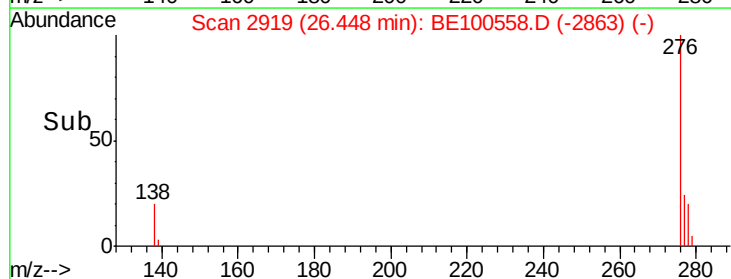
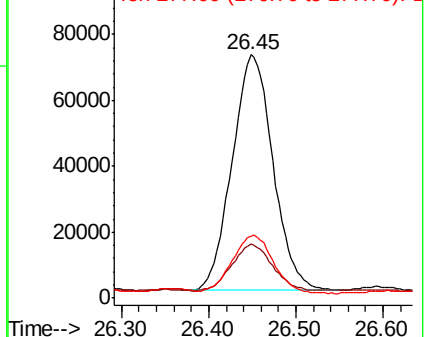


Abundance

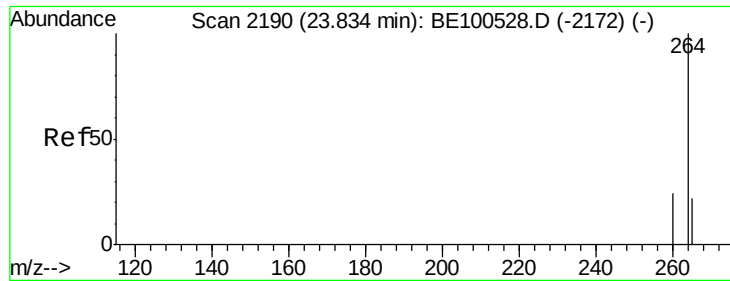
Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





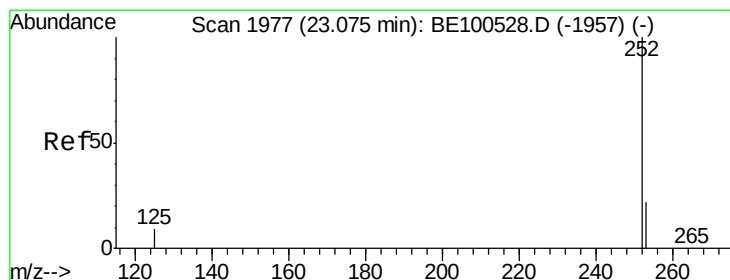
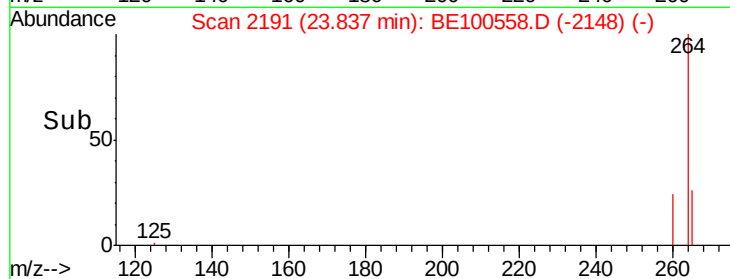
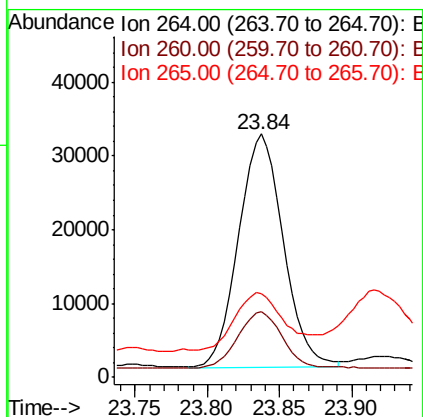
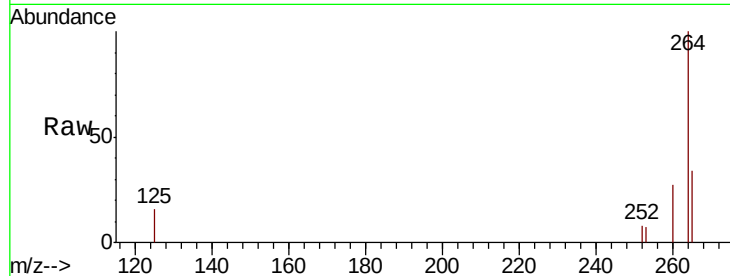


#34  
Pervlene-d12  
Concen: 0.400 ng  
RT: 23.84 min Scan# 2191  
Delta R.T. 0.00 min  
Lab File: BE100558.D  
Acq: 25 Sep 2019 16:02

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:264 Resp: 67238  

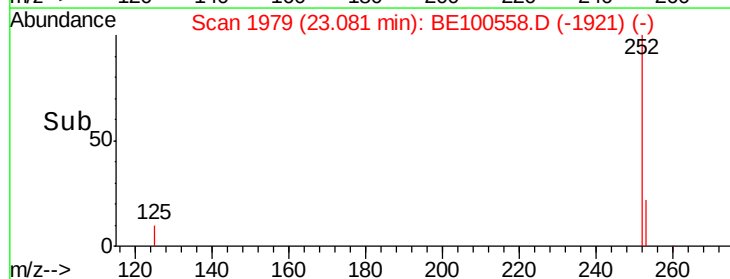
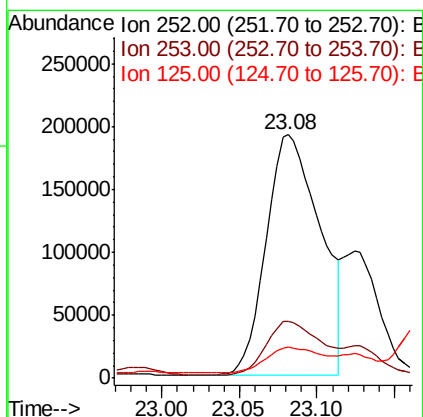
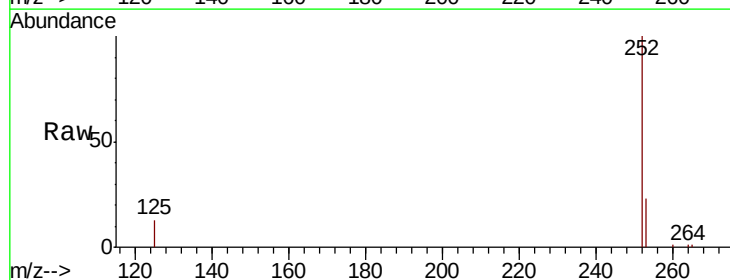
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 27.0  | 19.6  | 29.4  |
| 265 | 34.2  | 21.8  | 32.8  |

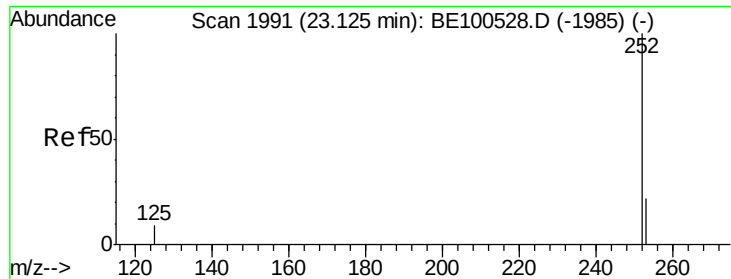


#35  
Benzo(b)fluoranthene  
Concen: 2.549 ng  
RT: 23.08 min Scan# 1979  
Delta R.T. 0.01 min  
Lab File: BE100558.D  
Acq: 25 Sep 2019 16:02

Tgt Ion:252 Resp: 463738  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 23.4  | 18.1  | 27.1  |
| 125 | 12.6  | 8.0   | 12.0  |

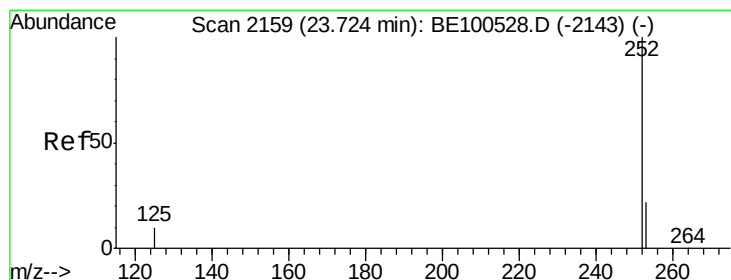
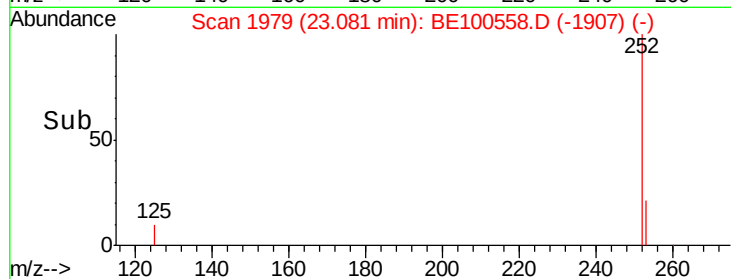
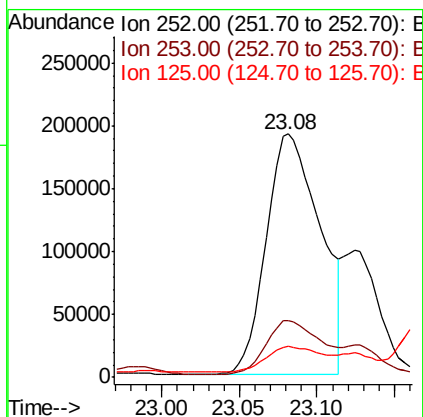
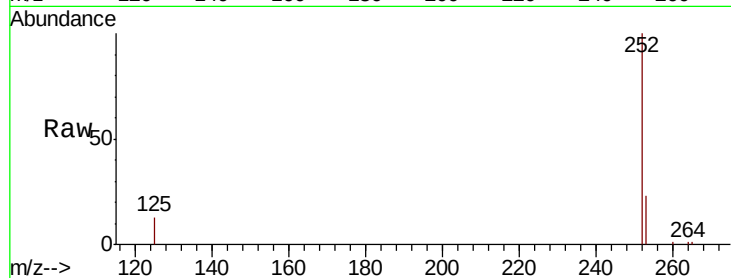




#36  
Benzo(k)fluoranthene  
Concen: 2.203 ng  
RT: 23.08 min Scan# 1979  
Delta R.T. -0.04 min  
Lab File: BE100558.D  
Acq: 25 Sep 2019 16:02

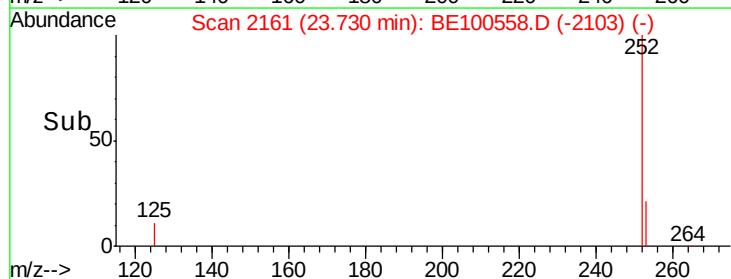
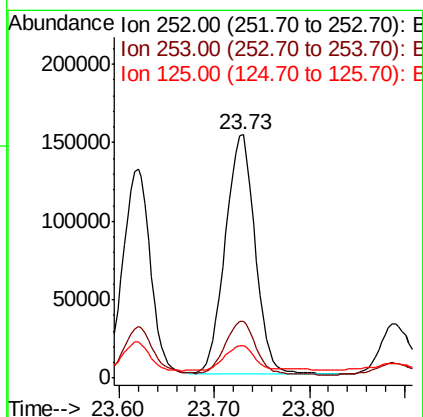
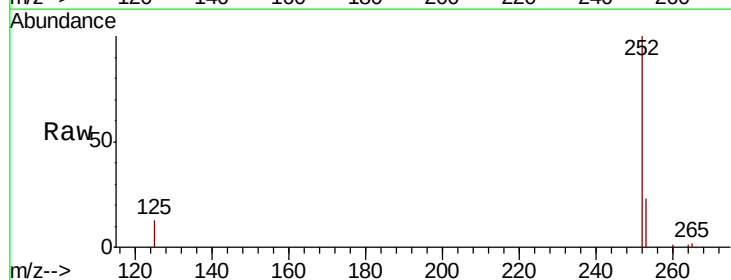
Instrument :  
BNA\_E  
ClientSampleId :

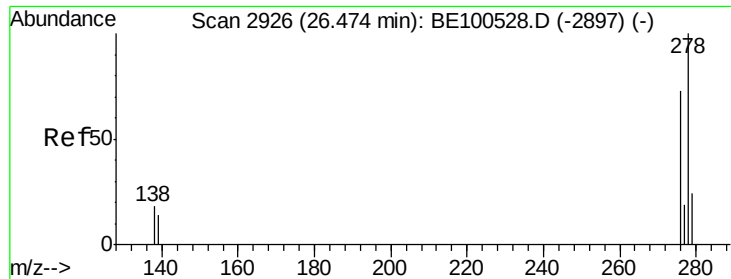
Tot Ion:252 Resp: 463738  
Ion Ratio Lower Upper  
252 100  
253 23.4 17.9 26.9  
125 12.6 8.5 12.7



#37  
Benzo(a)pyrene  
Concen: 1.945 ng  
RT: 23.73 min Scan# 2161  
Delta R.T. 0.01 min  
Lab File: BE100558.D  
Acq: 25 Sep 2019 16:02

Tgt Ion:252 Resp: 330167  
Ion Ratio Lower Upper  
252 100  
253 23.4 18.1 27.1  
125 13.5 9.2 13.8





#38

Dibenzo(a,h)anthracene

Concen: 0.366 ng

RT: 26.46 min Scan# 2923

Delta R.T. -0.01 min

Lab File: BE100558.D

Acq: 25 Sep 2019 16:02

Instrument :

BNA\_E

ClientSampleId :

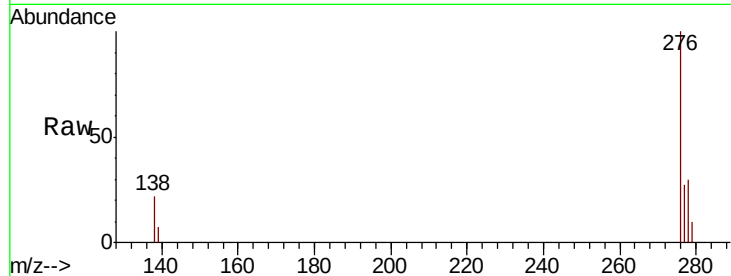
Tot Ion:278 Resp: 64665

Ion Ratio Lower Upper

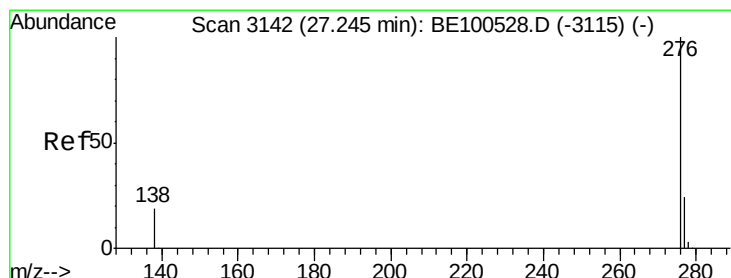
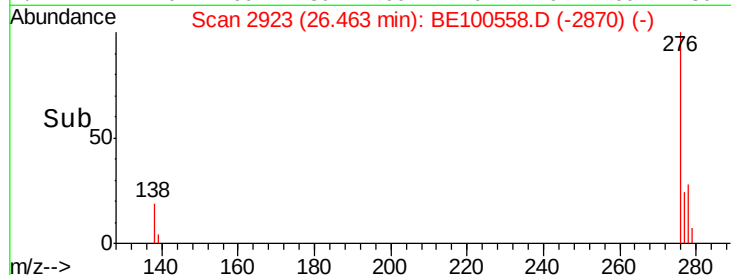
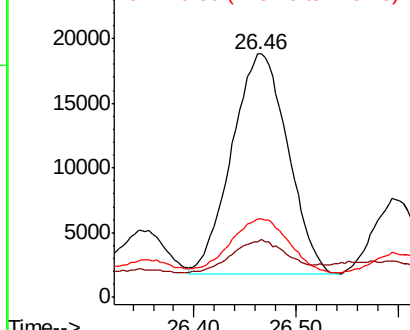
278 100

139 22.9 11.6 17.4#

279 32.1 19.7 29.5#



Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E



#39

Benzo(g,h,i)perylene

Concen: 1.352 ng

RT: 27.25 min Scan# 3145

Delta R.T. 0.01 min

Lab File: BE100558.D

Acq: 25 Sep 2019 16:02

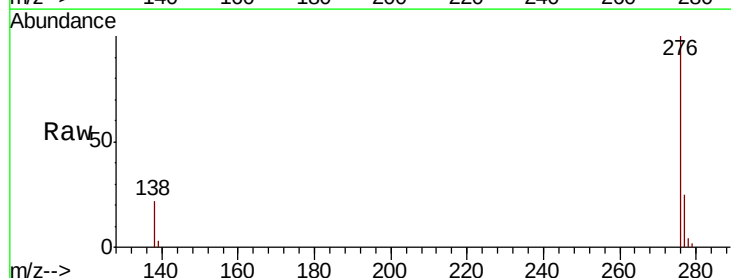
Tgt Ion:276 Resp: 249541

Ion Ratio Lower Upper

276 100

277 25.1 19.2 28.8

138 22.5 15.7 23.5



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

