

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE120519\  
 Data File : BE100793.D  
 Acq On : 5 Dec 2019 17:39  
 Operator : JU  
 Sample : K6053-05  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Dec 05 18:19:09 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE120419.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 04 17:18:11 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.76  | 152  | 6044     | 0.40 | ng    | -0.01    |
| 7) Naphthalene-d8         | 10.54 | 136  | 27905    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.40 | 164  | 16705    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.12 | 188  | 40805    | 0.40 | ng    | -0.01    |
| 27) Chrysene-d12          | 21.30 | 240  | 42349    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.76 | 264  | 49908    | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.38  | 112  | 5417     | 0.38 | ng    | 0.00     |
| 5) Phenol-d6                | 6.93  | 99   | 9200     | 0.42 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.90  | 82   | 5997     | 0.45 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 12.14 | 152  | 10748    | 0.27 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 15.88 | 330  | 1468     | 0.79 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 13.03 | 172  | 15044    | 0.23 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 19.16 | 212  | 121489   | 0.25 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.77 | 244  | 23463    | 0.23 | ng    | 0.00     |

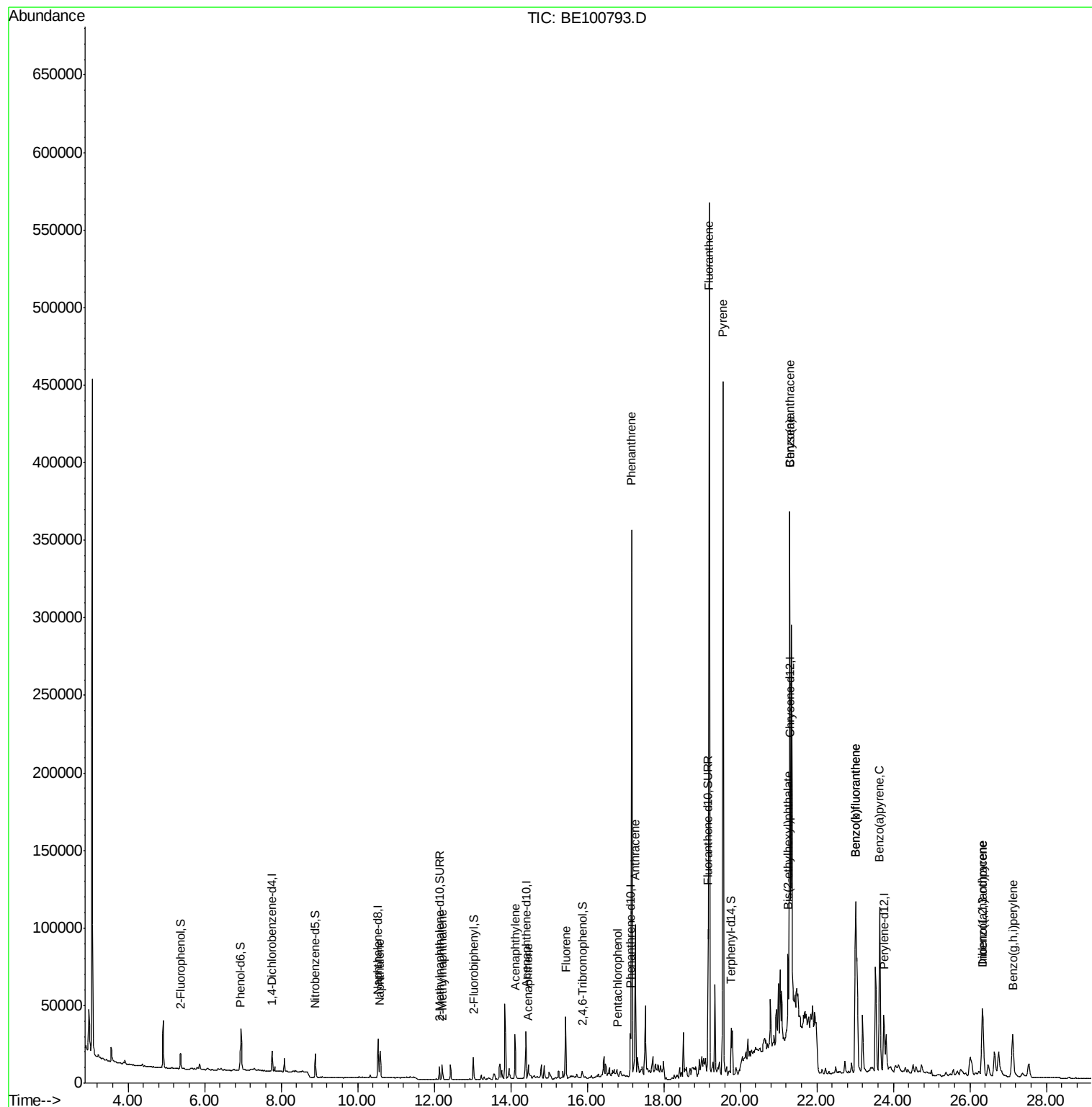
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 9) Naphthalene                 | 10.59 | 128  | 27185    | 0.092 | ng    | 99     |
| 12) 2-Methylnaphthalene        | 12.21 | 142  | 6359     | 0.137 | ng    | 97     |
| 16) Acenaphthylene             | 14.11 | 152  | 31033    | 0.449 | ng    | 99     |
| 17) Acenaphthene               | 14.46 | 154  | 4049     | 0.085 | ng    | 97     |
| 18) Fluorene                   | 15.43 | 166  | 33877    | 0.552 | ng    | 92     |
| 22) Pentachlorophenol          | 16.79 | 266  | 45       | 0.030 | ng    | 90     |
| 23) Phenanthrene               | 17.16 | 178  | 423763   | 3.429 | ng    | 100    |
| 24) Anthracene                 | 17.25 | 178  | 101183   | 0.979 | ng    | # 92   |
| 26) Fluoranthene               | 19.19 | 202  | 484338   | 3.283 | ng    | 99     |
| 28) Pvrene                     | 19.55 | 202  | 412461   | 2.998 | ng    | # 95   |
| 30) Benzo(a)anthracene         | 21.29 | 228  | 284362   | 2.278 | ng    | 94     |
| 31) Chrysene                   | 21.29 | 228  | 259293   | 1.768 | ng    | 97     |
| 32) Bis(2-ethylhexyl)phthalate | 21.24 | 149  | 69991    | 0.769 | ng    | # 94   |
| 33) Indeno(1,2,3-cd)pyrene     | 26.33 | 276  | 78051    | 0.611 | ng    | 98     |
| 35) Benzo(b)fluoranthene       | 23.01 | 252  | 229567   | 1.680 | ng    | 96     |
| 36) Benzo(k)fluoranthene       | 23.01 | 252  | 229567   | 1.498 | ng    | 96     |
| 37) Benzo(a)pvrene             | 23.64 | 252  | 166875   | 1.411 | ng    | 98     |
| 38) Dibenzo(a,h)anthracene     | 26.35 | 278  | 26854    | 0.228 | ng    | # 78   |
| 39) Benzo(g,h,i)perylene       | 27.12 | 276  | 67871    | 0.539 | ng    | 96     |

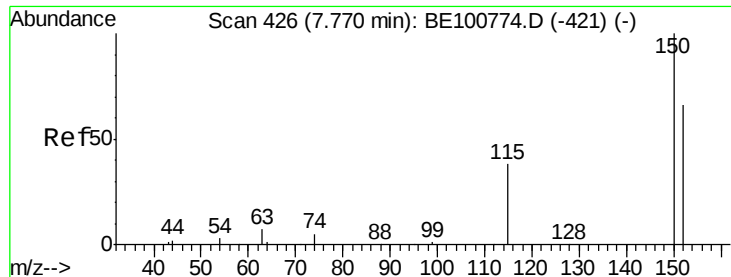
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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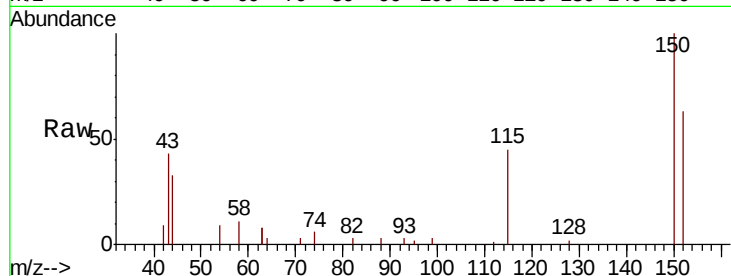


#1

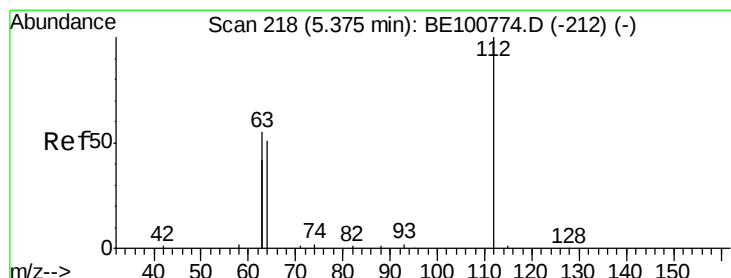
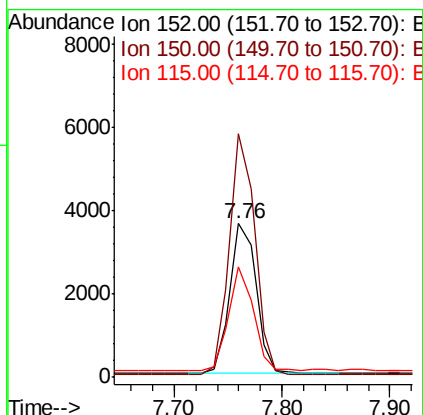
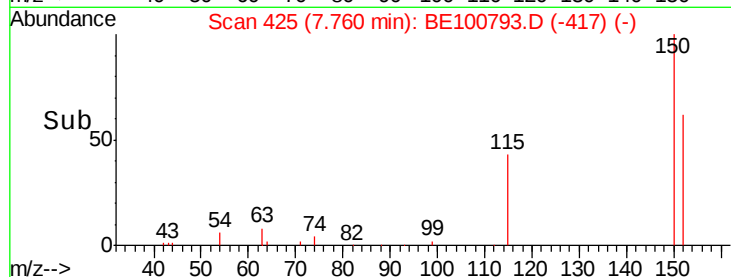
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.76 min Scan# 425  
Delta R.T. -0.01 min  
Lab File: BE100793.D  
Acq: 5 Dec 2019 17:39

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:152 Resp: 6044  
Ion Ratio Lower Upper  
152 100  
150 158.4 120.6 181.0  
115 71.9 47.4 71.2#



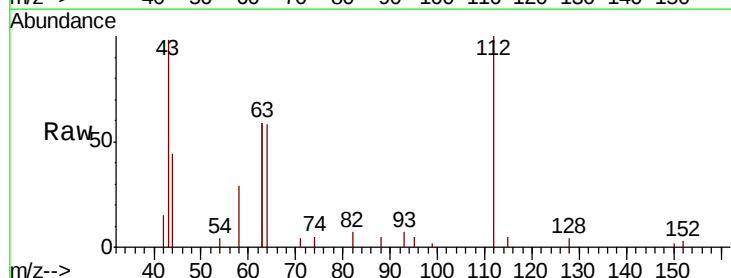
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



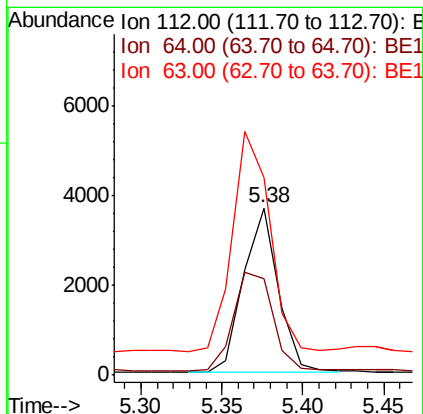
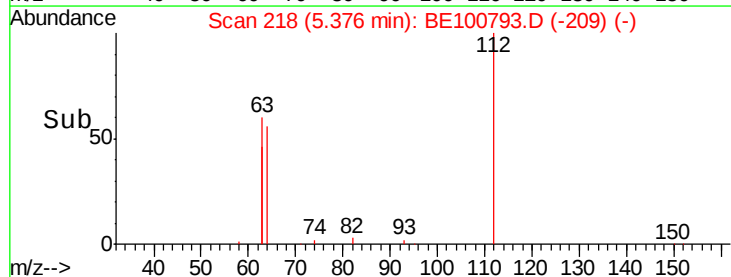
#4

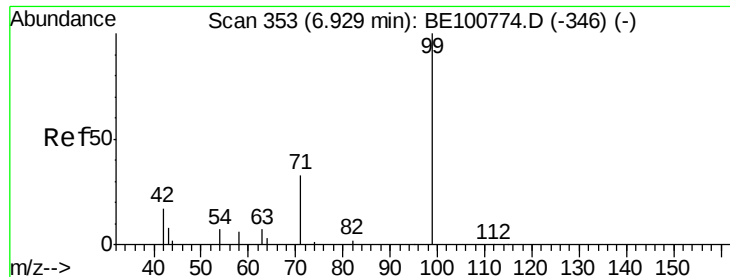
2-Fluorophenol  
Concen: 0.378 ng  
RT: 5.38 min Scan# 218  
Delta R.T. 0.00 min  
Lab File: BE100793.D  
Acq: 5 Dec 2019 17:39

Tgt Ion:112 Resp: 5417  
Ion Ratio Lower Upper  
112 100  
64 69.3 54.1 81.1  
63 144.1 113.2 169.8



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: 0.425 ng

RT: 6.93 min Scan# 353

Delta R.T. 0.00 min

Lab File: BE100793.D

Acq: 5 Dec 2019 17:39

Instrument :

BNA\_E

ClientSampleId :

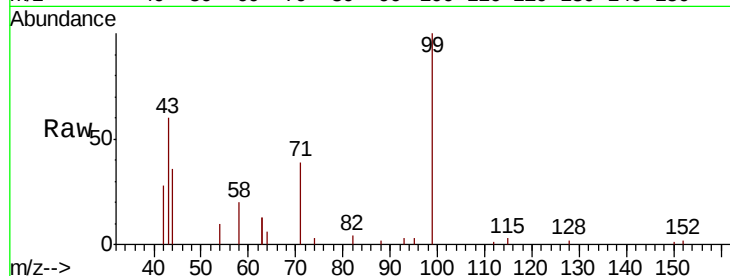
Tot Ion: 99 Resp: 9200

Ion Ratio Lower Upper

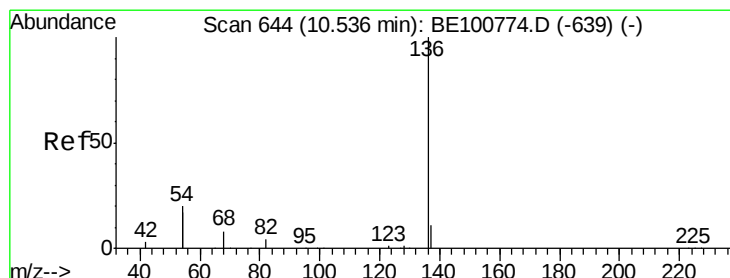
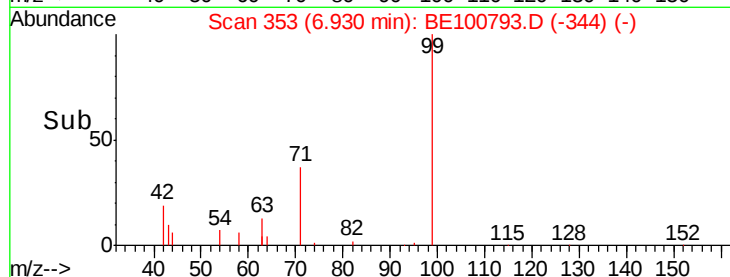
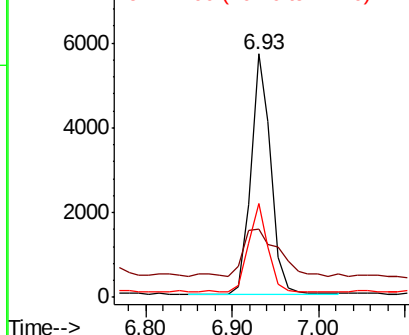
99 100

42 35.3 19.1 28.7#

71 36.4 27.7 41.5



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



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.54 min Scan# 644

Delta R.T. -0.00 min

Lab File: BE100793.D

Acq: 5 Dec 2019 17:39

Tgt Ion: 136 Resp: 27905

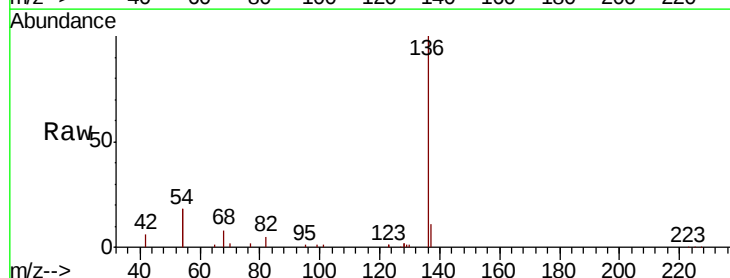
Ion Ratio Lower Upper

136 100

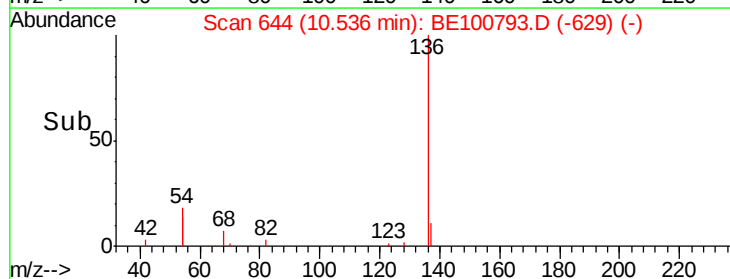
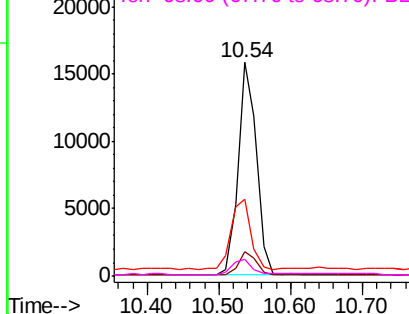
137 11.4 9.4 14.0

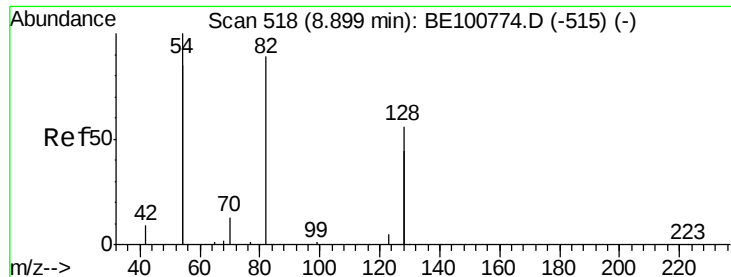
54 36.2 31.1 46.7

68 7.9 6.6 10.0



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: 0.451 ng

RT: 8.90 min Scan# 518

Delta R.T. -0.00 min

Lab File: BE100793.D

Acq: 5 Dec 2019 17:39

Instrument :

BNA\_E

ClientSampleId :

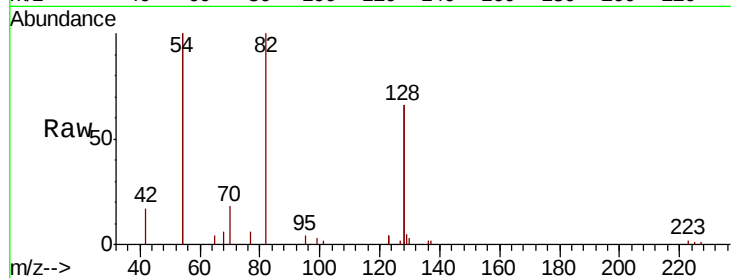
Tot Ion: 82 Resp: 5997

Ion Ratio Lower Upper

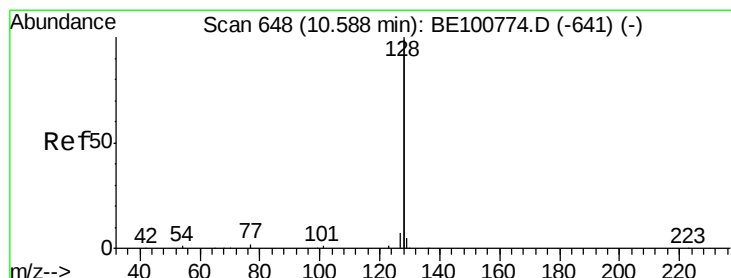
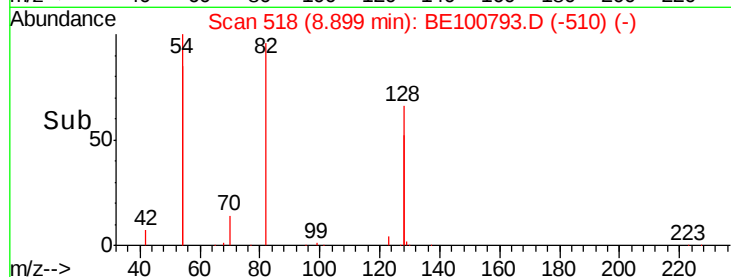
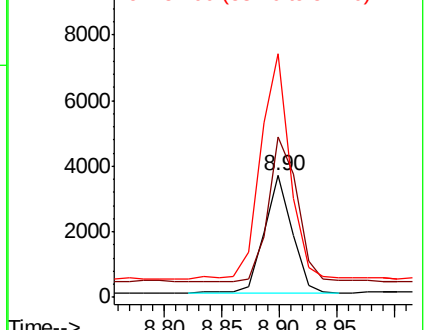
82 100

128 132.1 97.0 145.4

54 200.2 171.8 257.6



Abundance Ion 82.00 (81.70 to 82.70): BE1  
Ion 128.00 (127.70 to 128.70): BE1  
Ion 54.00 (53.70 to 54.70): BE1



#9

Naphthalene

Concen: 0.092 ng

RT: 10.59 min Scan# 648

Delta R.T. -0.00 min

Lab File: BE100793.D

Acq: 5 Dec 2019 17:39

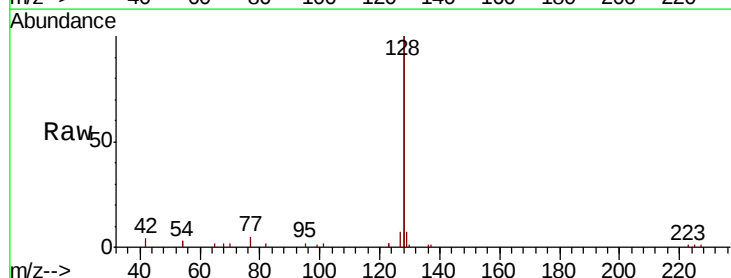
Tgt Ion:128 Resp: 27185

Ion Ratio Lower Upper

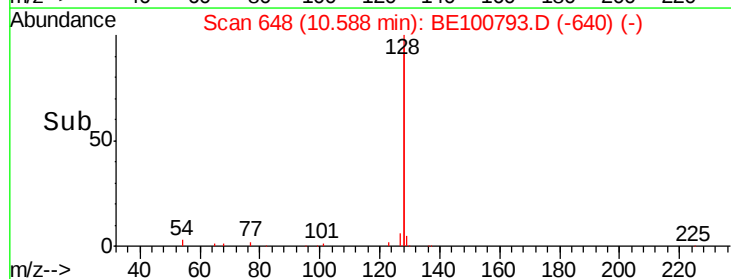
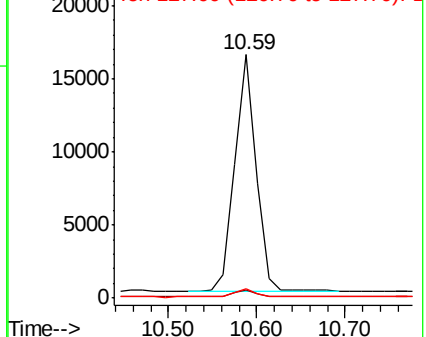
128 100

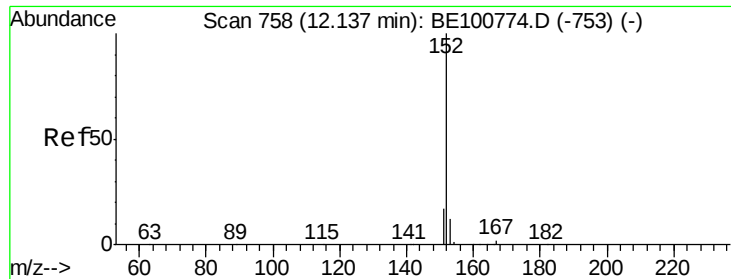
129 3.3 2.2 3.4

127 3.7 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

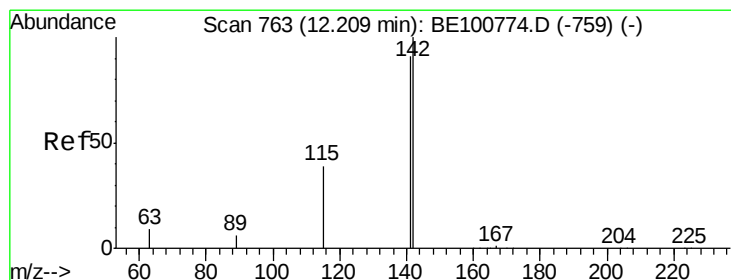
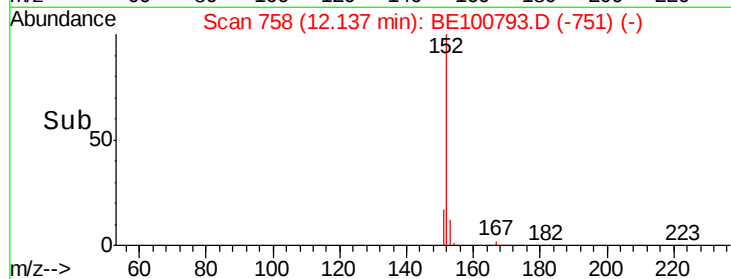
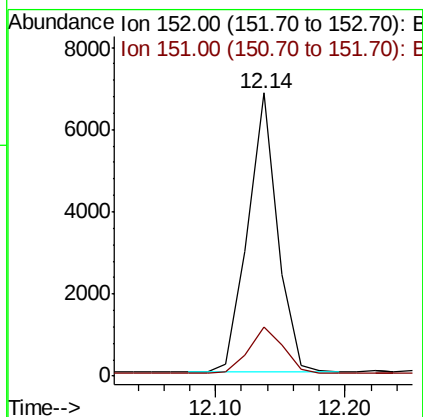
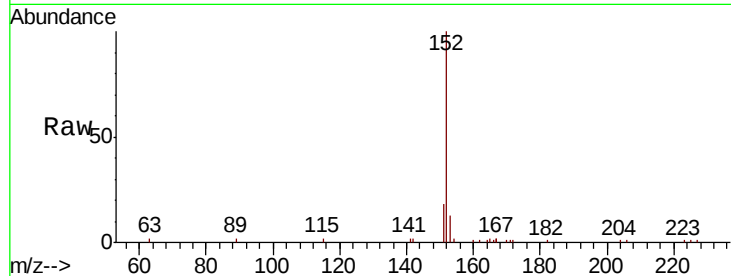




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.266 ng  
 RT: 12.14 min Scan# 758  
 Delta R.T. 0.00 min  
 Lab File: BE100793.D  
 Acq: 5 Dec 2019 17:39

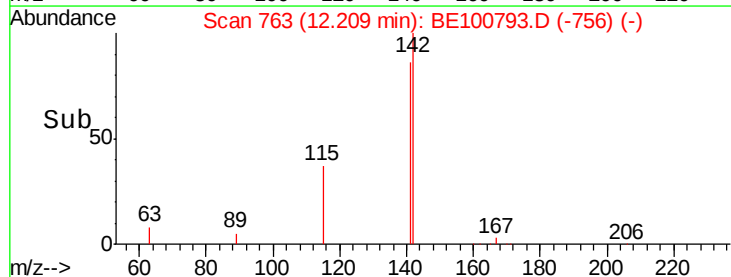
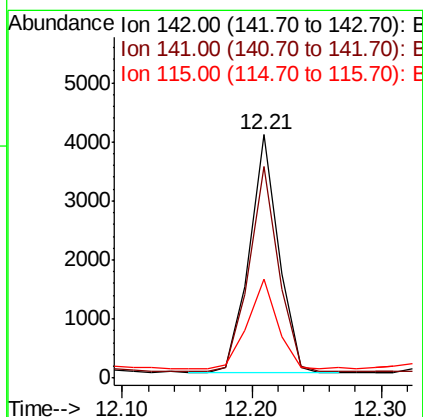
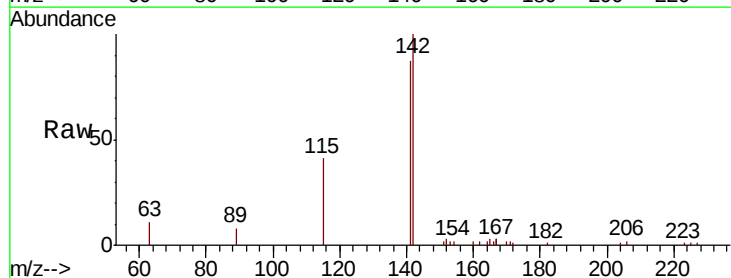
Instrument :  
 BNA\_E  
 ClientSampleId :

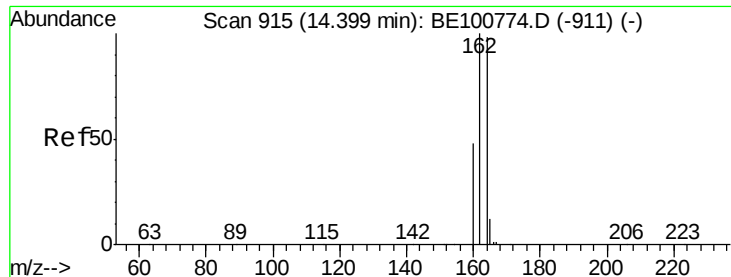
Tot Ion:152 Resp: 10748  
 Ion Ratio Lower Upper  
 152 100  
 151 19.1 15.8 23.8



#12  
 2-Methylnaphthalene  
 Concen: 0.137 ng  
 RT: 12.21 min Scan# 763  
 Delta R.T. 0.00 min  
 Lab File: BE100793.D  
 Acq: 5 Dec 2019 17:39

Tgt Ion:142 Resp: 6359  
 Ion Ratio Lower Upper  
 142 100  
 141 86.7 72.6 108.8  
 115 40.5 31.8 47.6

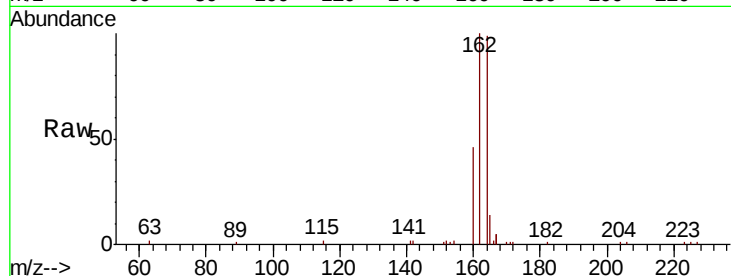




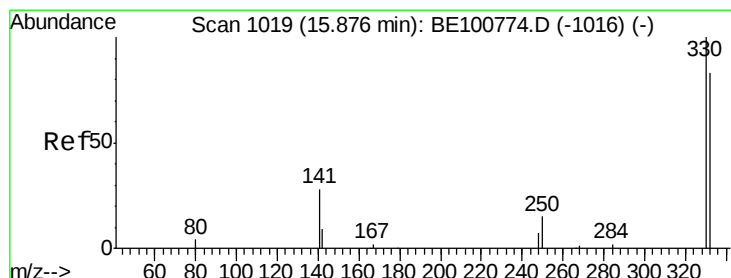
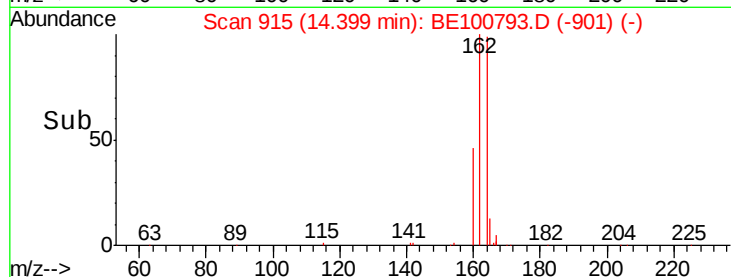
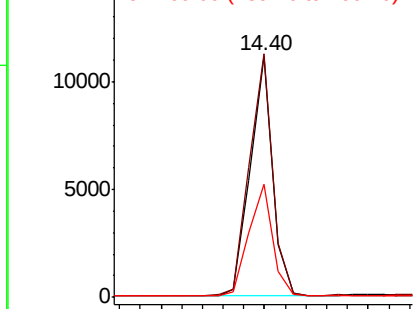
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.40 min Scan# 915  
Delta R.T. 0.00 min  
Lab File: BE100793.D  
Acq: 5 Dec 2019 17:39

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:164 Resp: 16705  
Ion Ratio Lower Upper  
164 100  
162 100.8 81.4 122.0  
160 46.9 39.4 59.0

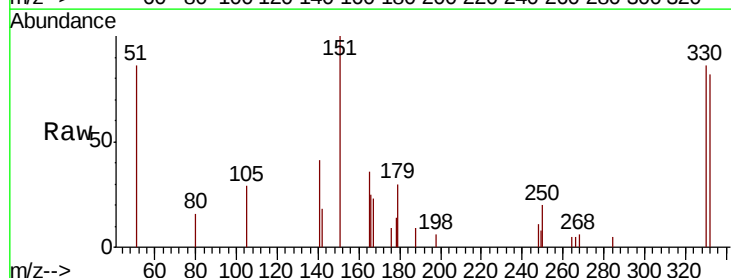


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

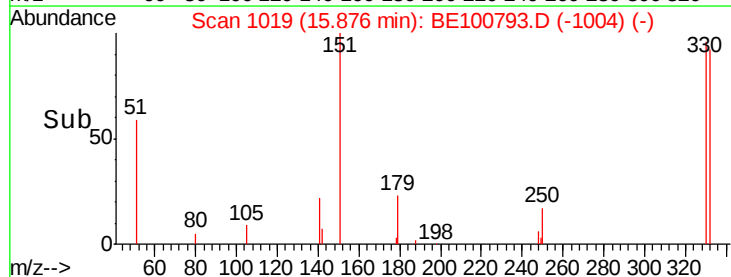
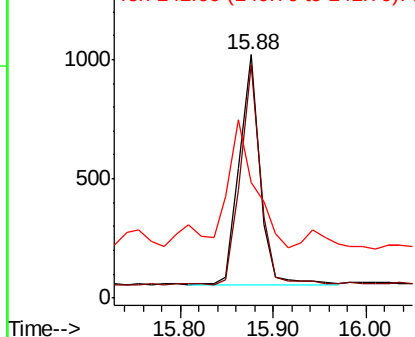


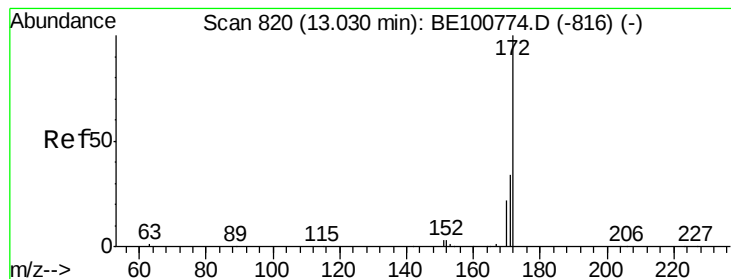
#14  
2,4,6-Tribromophenol  
Concen: 0.790 ng  
RT: 15.88 min Scan# 1019  
Delta R.T. -0.00 min  
Lab File: BE100793.D  
Acq: 5 Dec 2019 17:39

Tgt Ion:330 Resp: 1468  
Ion Ratio Lower Upper  
330 100  
332 92.1 69.4 104.2  
141 84.3 51.1 76.7#



Abundance Ion 330.00 (329.70 to 330.70): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.227 ng

RT: 13.03 min Scan# 820

Delta R.T. 0.00 min

Lab File: BE100793.D

Acq: 5 Dec 2019 17:39

Instrument :

BNA\_E

ClientSampled :

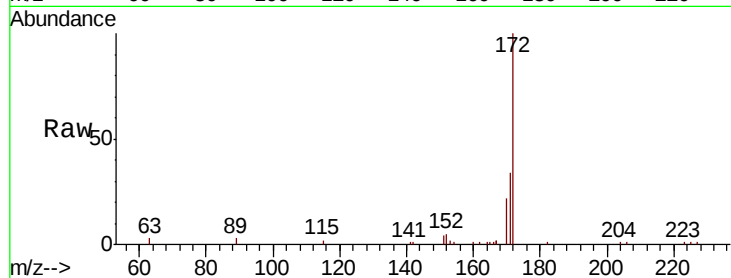
Tot Ion:172 Resp: 15044

Ion Ratio Lower Upper

172 100

171 33.6 27.2 40.8

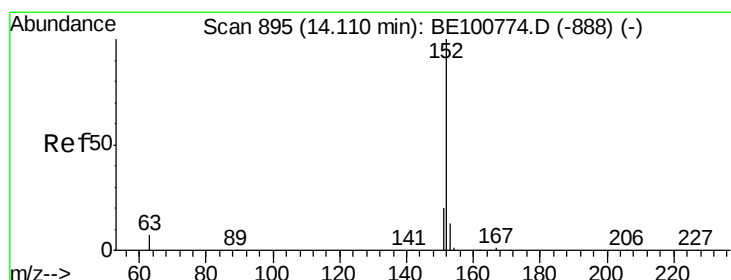
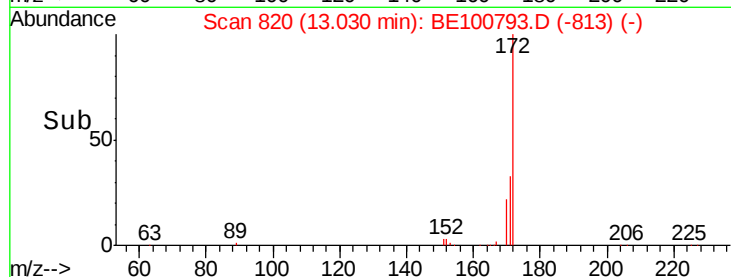
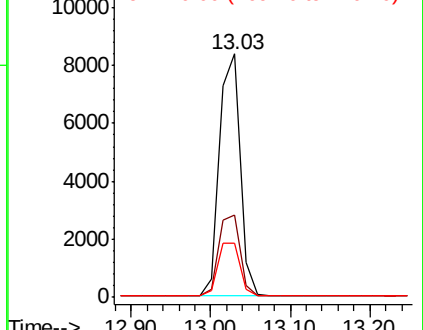
170 22.2 18.0 27.0



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: 0.449 ng

RT: 14.11 min Scan# 895

Delta R.T. 0.00 min

Lab File: BE100793.D

Acq: 5 Dec 2019 17:39

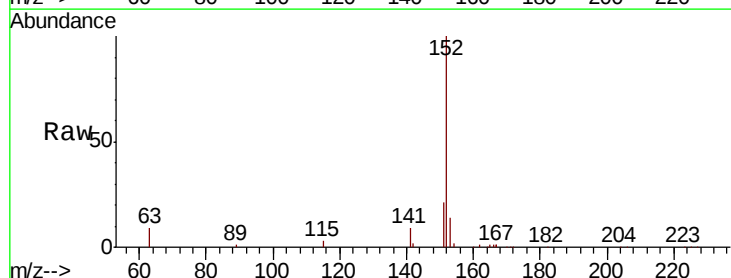
Tgt Ion:152 Resp: 31033

Ion Ratio Lower Upper

152 100

151 20.1 15.8 23.6

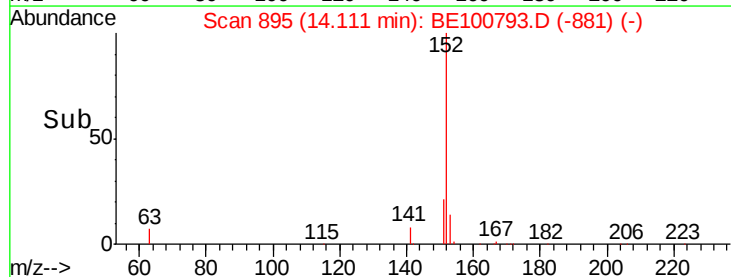
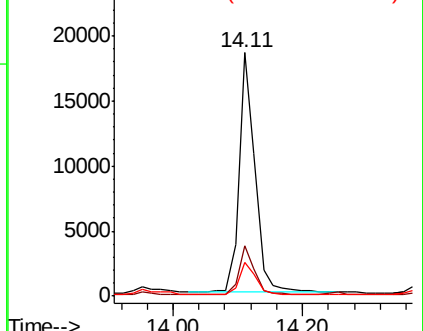
153 14.0 10.4 15.6

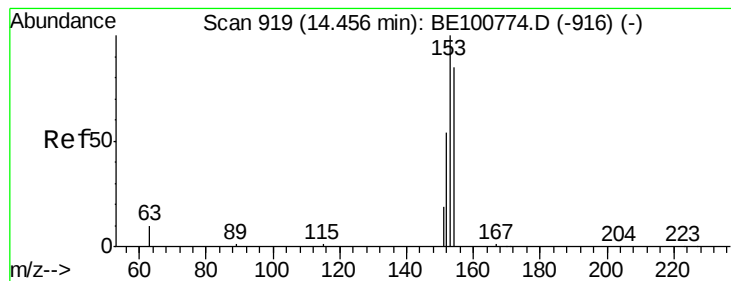


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.085 ng

RT: 14.46 min Scan# 919

Delta R.T. 0.00 min

Lab File: BE100793.D

Acq: 5 Dec 2019 17:39

Instrument :

BNA\_E

ClientSampleId :

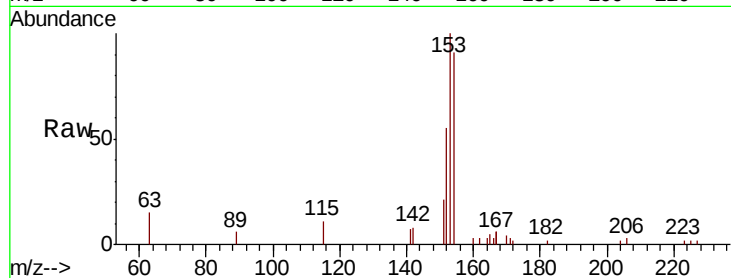
Tot Ion:154 Resp: 4049

Ion Ratio Lower Upper

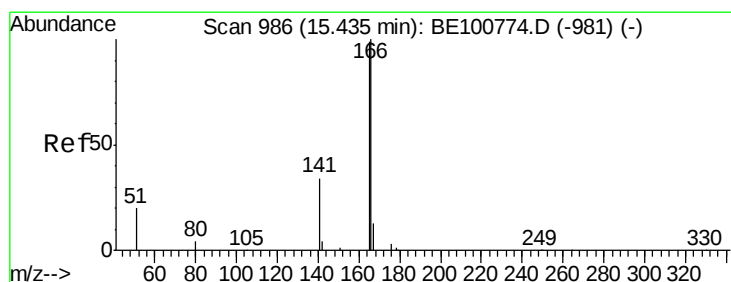
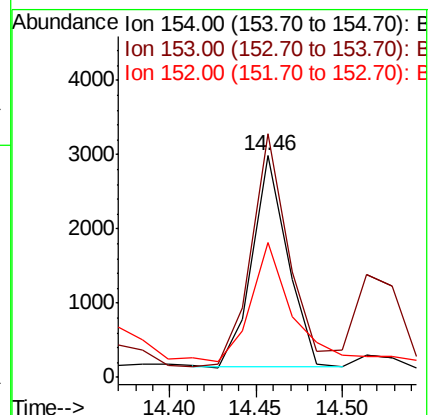
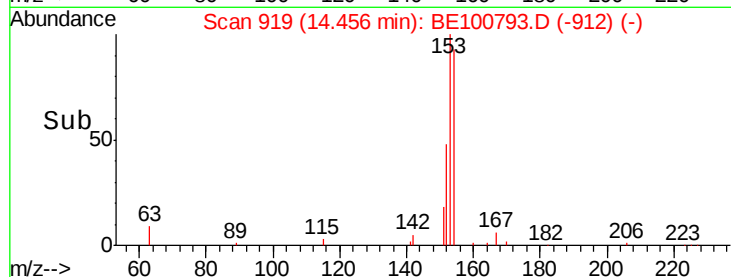
154 100

153 116.7 92.2 138.2

152 66.0 49.1 73.7



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: 0.552 ng

RT: 15.43 min Scan# 986

Delta R.T. -0.00 min

Lab File: BE100793.D

Acq: 5 Dec 2019 17:39

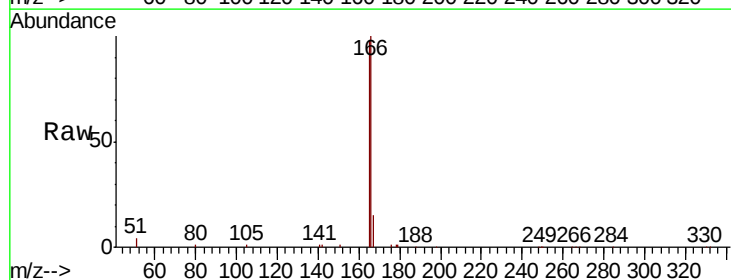
Tgt Ion:166 Resp: 33877

Ion Ratio Lower Upper

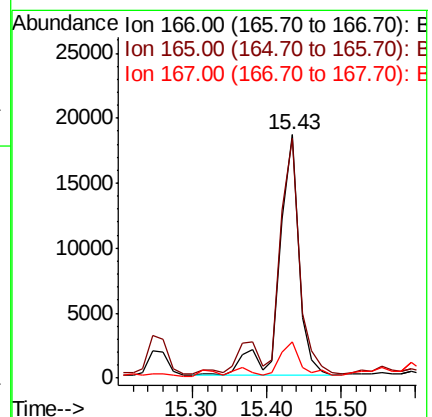
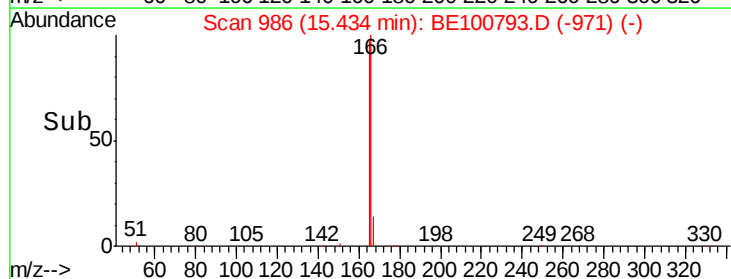
166 100

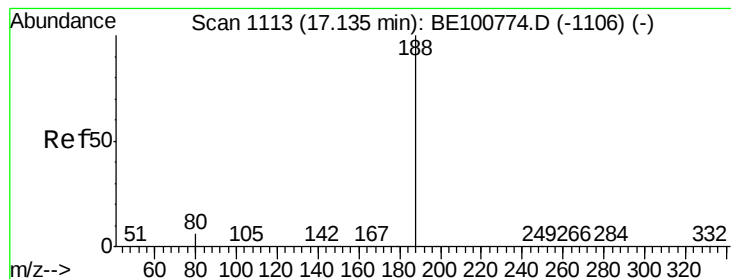
165 91.8 80.5 120.7

167 14.0 10.7 16.1



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: 17.12 min Scan# 1112

Delta R.T. -0.01 min

Lab File: BE100793.D

Acq: 5 Dec 2019 17:39

Instrument :

BNA\_E

ClientSampleId :

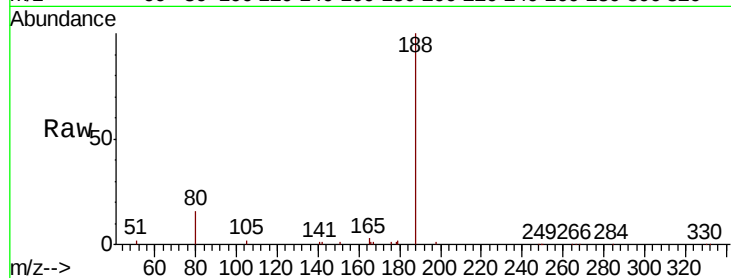
Tot Ion:188 Resp: 40805

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

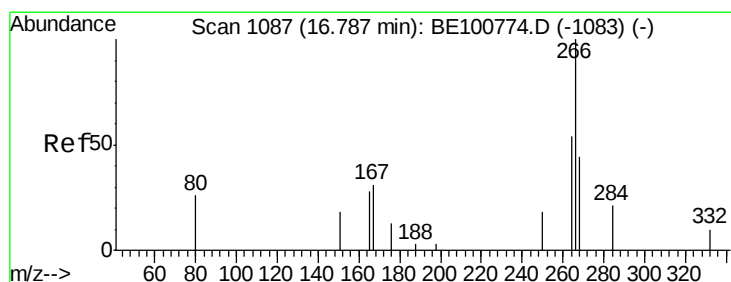
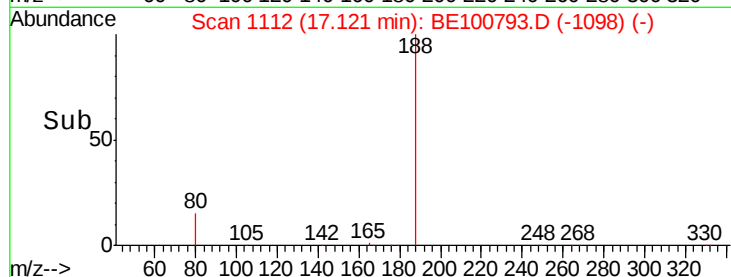
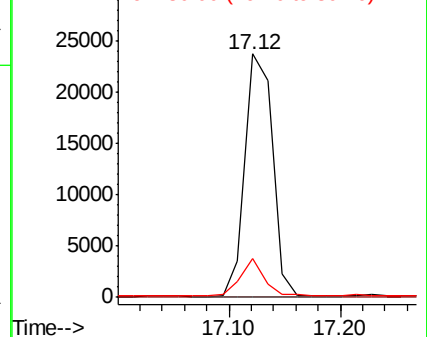
80 16.2 5.2 7.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE1

Ion 80.00 (79.70 to 80.70): BE1



#22

Pentachlorophenol

Concen: 0.030 ng

RT: 16.79 min Scan# 1087

Delta R.T. -0.00 min

Lab File: BE100793.D

Acq: 5 Dec 2019 17:39

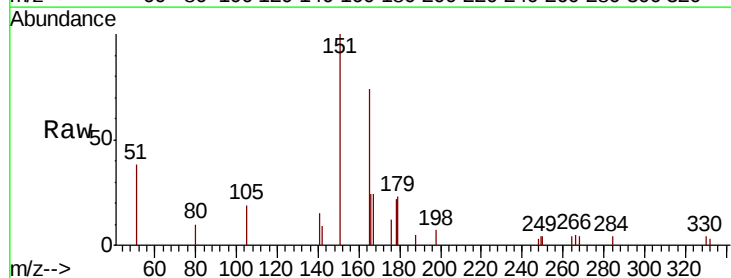
Tgt Ion:266 Resp: 45

Ion Ratio Lower Upper

266 100

264 86.7 63.4 95.0

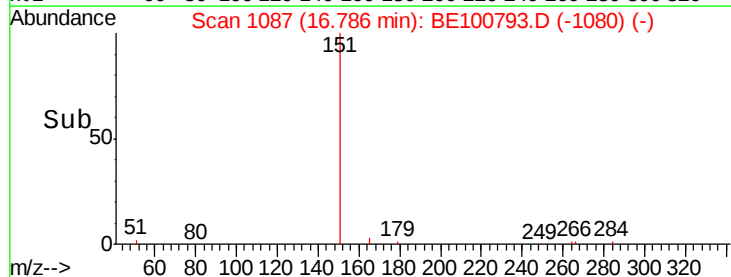
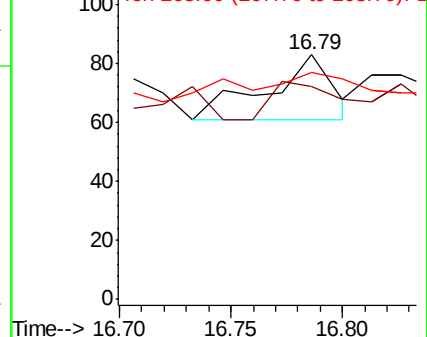
268 92.8 65.8 98.8

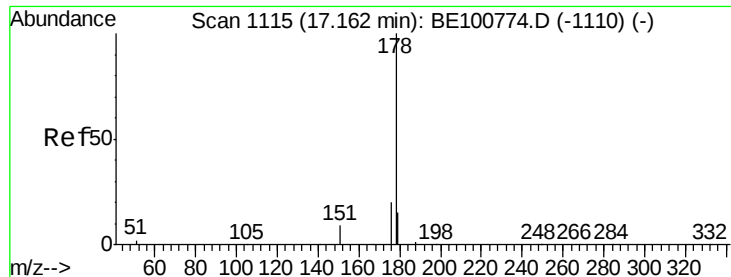


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

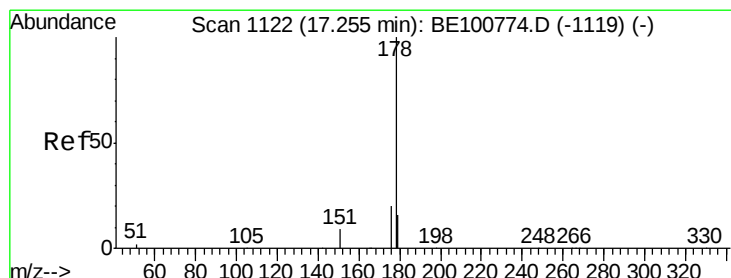
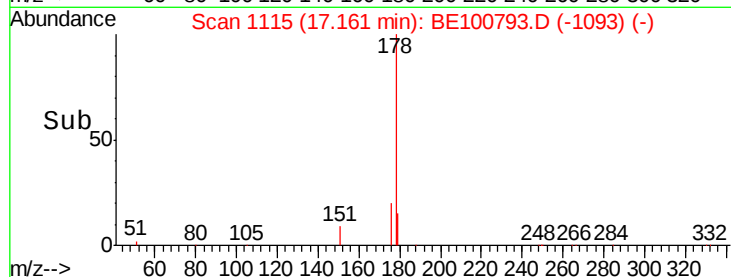
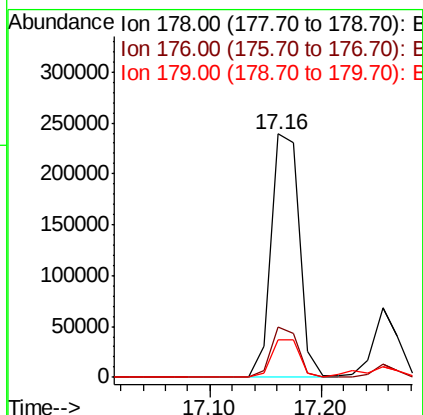
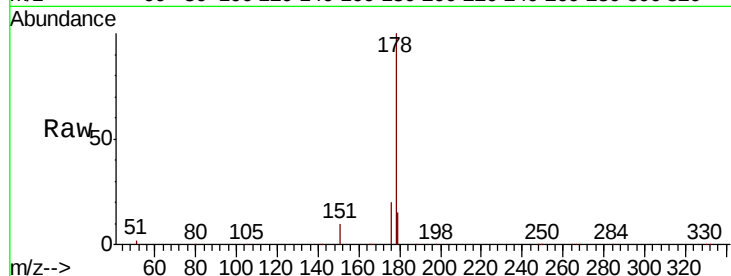




#23  
Phenanthrene  
Concen: 3.429 ng  
RT: 17.16 min Scan# 1115  
Delta R.T. -0.00 min  
Lab File: BE100793.D  
Acq: 5 Dec 2019 17:39

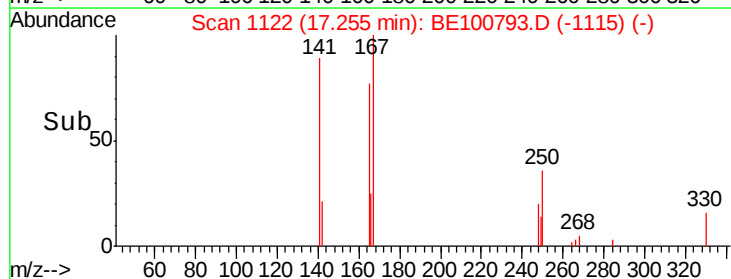
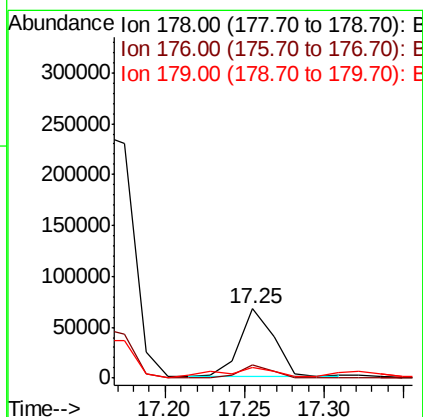
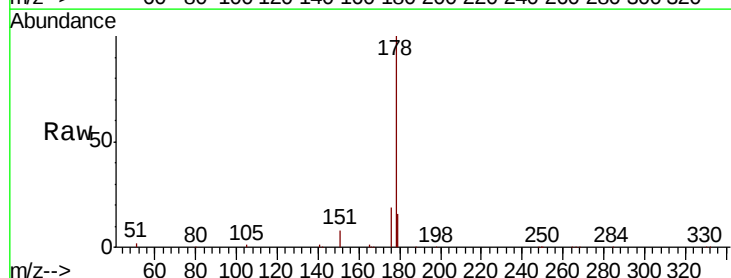
Instrument :  
BNA\_E  
ClientSampleId :

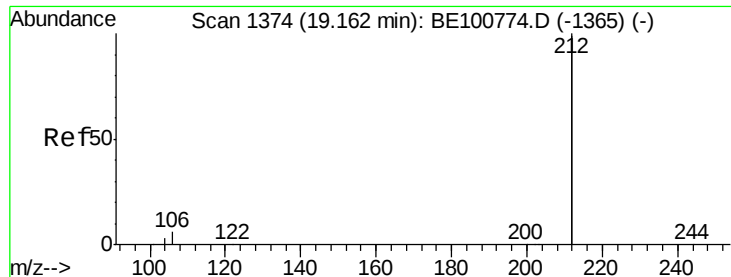
Tot Ion:178 Resp: 423763  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.5 23.3  
179 15.7 12.3 18.5



#24  
Anthracene  
Concen: 0.979 ng  
RT: 17.25 min Scan# 1122  
Delta R.T. -0.00 min  
Lab File: BE100793.D  
Acq: 5 Dec 2019 17:39

Tgt Ion:178 Resp: 101183  
Ion Ratio Lower Upper  
178 100  
176 18.9 15.4 23.2  
179 23.3 12.7 19.1#





#25

Fluoranthene-d10

Concen: 0.252 ng

RT: 19.16 min Scan# 1374

Delta R.T. 0.00 min

Lab File: BE100793.D

Acq: 5 Dec 2019 17:39

Instrument :

BNA\_E

ClientSampleId :

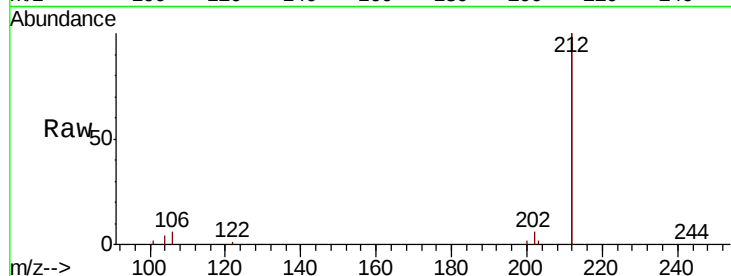
Tot Ion:212 Resp: 121489

Ion Ratio Lower Upper

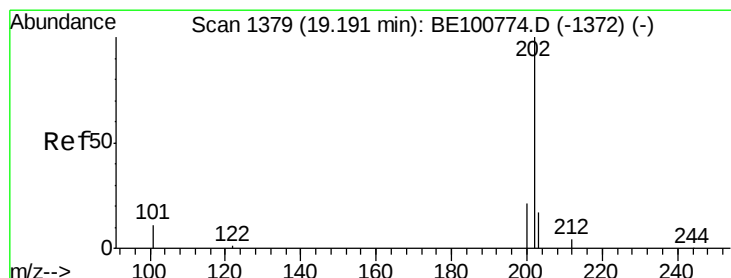
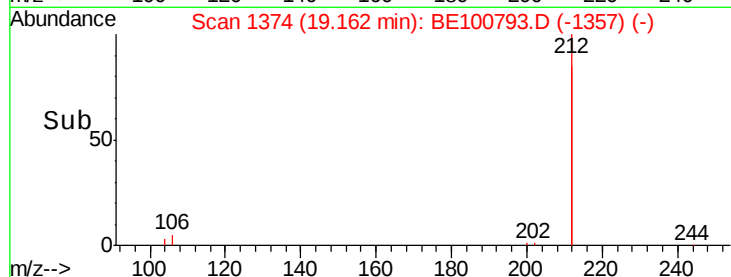
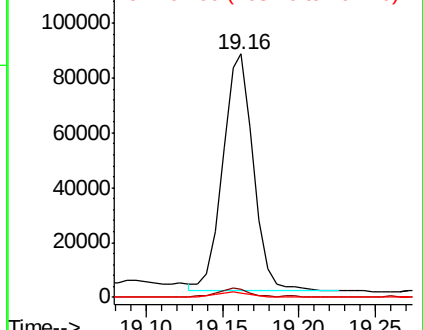
212 100

106 3.3 2.6 3.8

104 2.0 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: 3.283 ng

RT: 19.19 min Scan# 1379

Delta R.T. 0.00 min

Lab File: BE100793.D

Acq: 5 Dec 2019 17:39

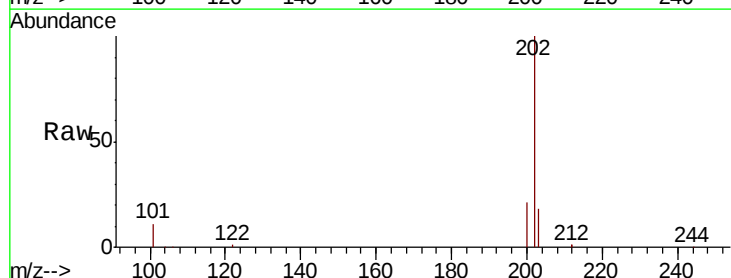
Tgt Ion:202 Resp: 484338

Ion Ratio Lower Upper

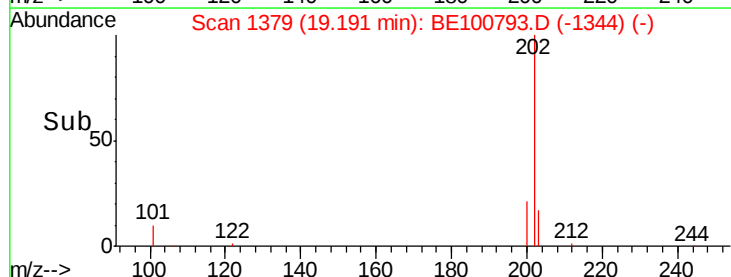
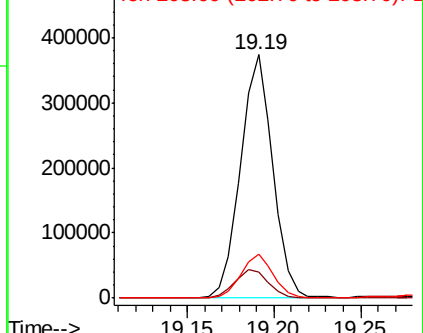
202 100

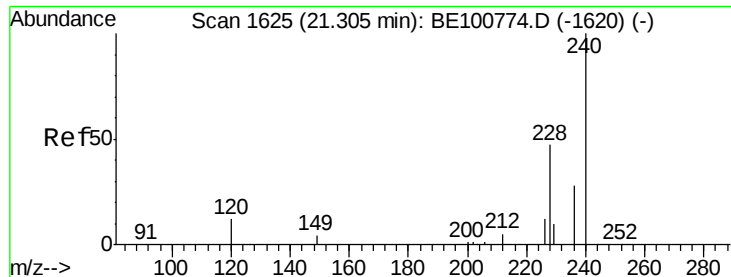
101 11.8 9.1 13.7

203 17.7 13.8 20.6



Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 203.00 (202.70 to 203.70): E

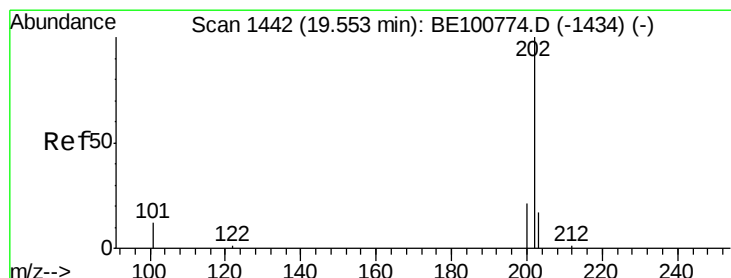
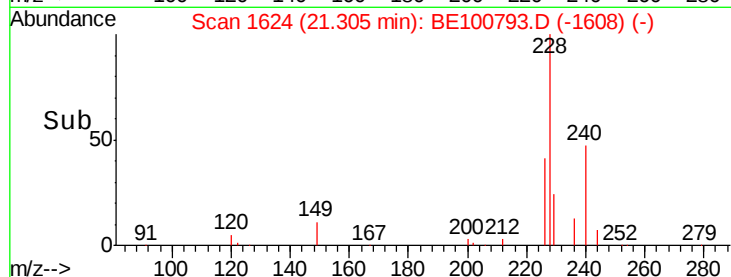
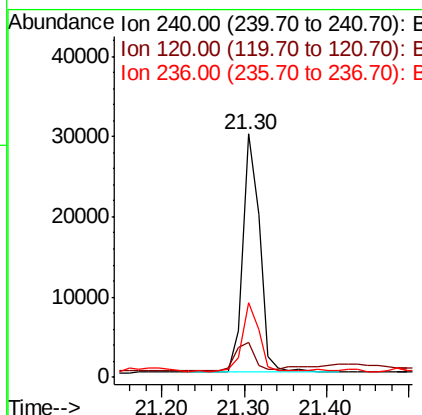
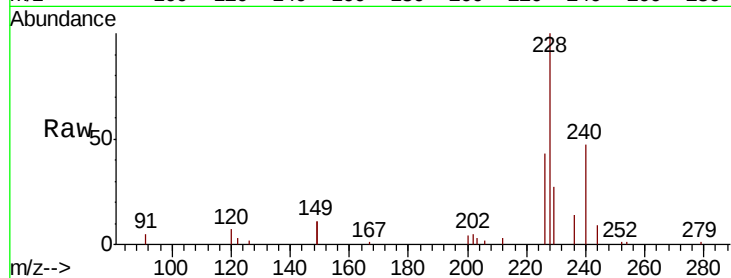




#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.30 min Scan# 1624  
Delta R.T. -0.00 min  
Lab File: BE100793.D  
Acq: 5 Dec 2019 17:39

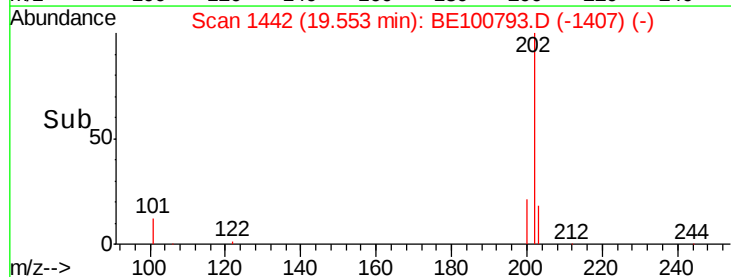
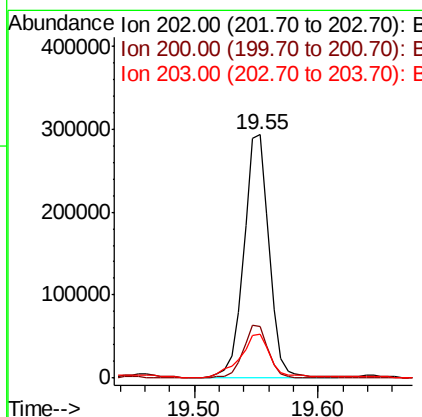
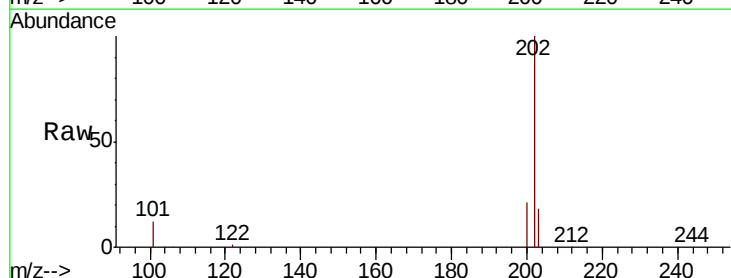
Instrument :  
BNA\_E  
ClientSampleId :

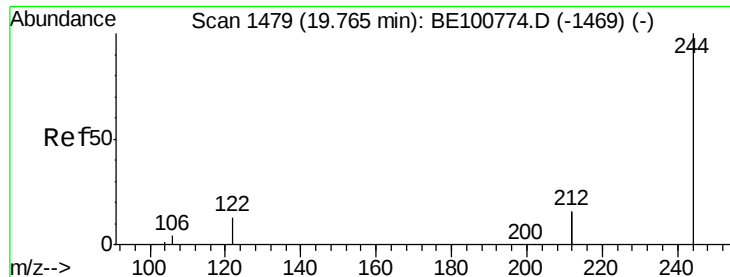
Tot Ion:240 Resp: 42349  
Ion Ratio Lower Upper  
240 100  
120 14.2 10.2 15.2  
236 30.4 22.3 33.5



#28  
Pyrene  
Concen: 2.998 ng  
RT: 19.55 min Scan# 1442  
Delta R.T. 0.00 min  
Lab File: BE100793.D  
Acq: 5 Dec 2019 17:39

Tgt Ion:202 Resp: 412461  
Ion Ratio Lower Upper  
202 100  
200 21.6 17.0 25.4  
203 21.7 13.9 20.9#

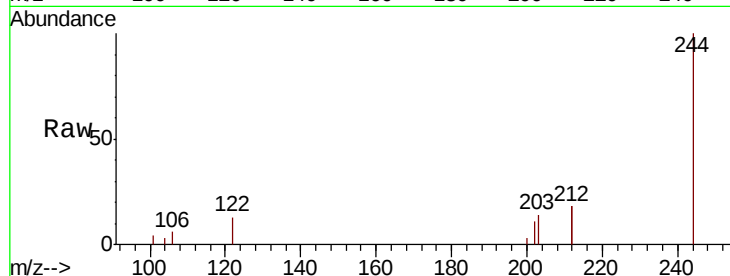




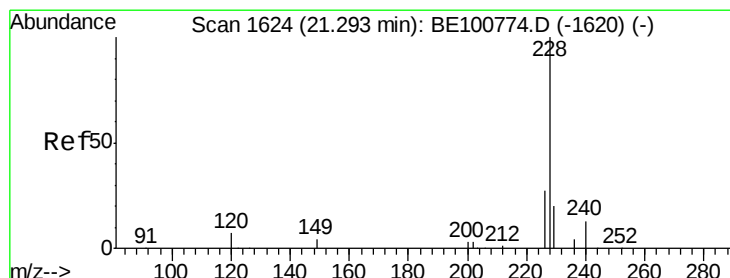
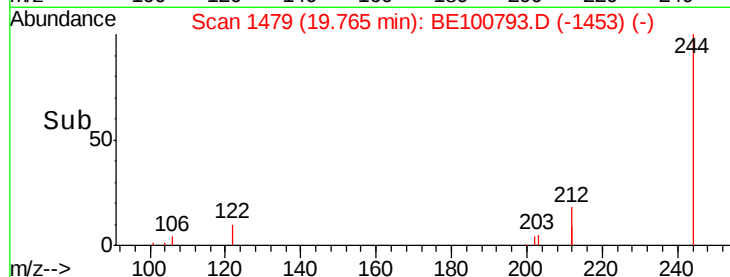
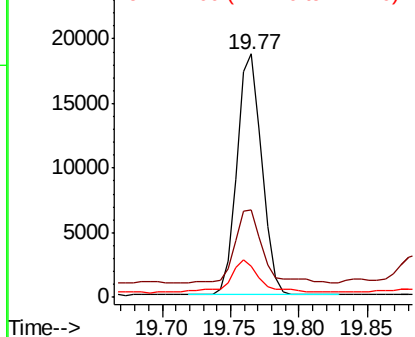
#29  
 Terphenyl-d14  
 Concen: 0.231 ng  
 RT: 19.77 min Scan# 1479  
 Delta R.T. 0.00 min  
 Lab File: BE100793.D  
 Acq: 5 Dec 2019 17:39

Instrument :  
 BNA\_E  
 ClientSampleId :

Tot Ion:244 Resp: 23463  
 Ion Ratio Lower Upper  
 244 100  
 212 36.2 26.2 39.4  
 122 12.8 10.2 15.4

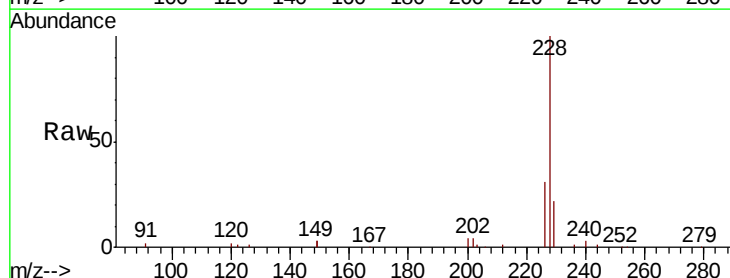


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E

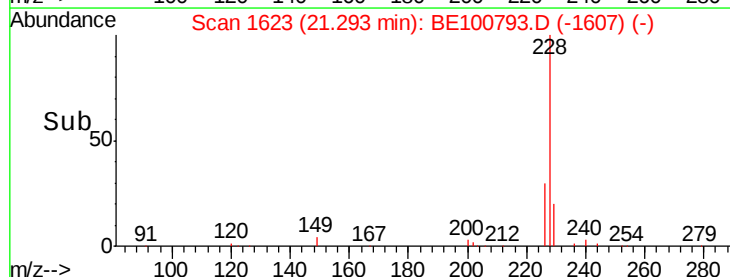
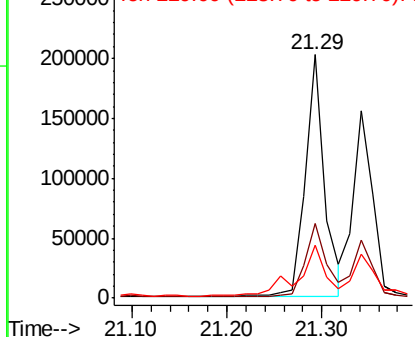


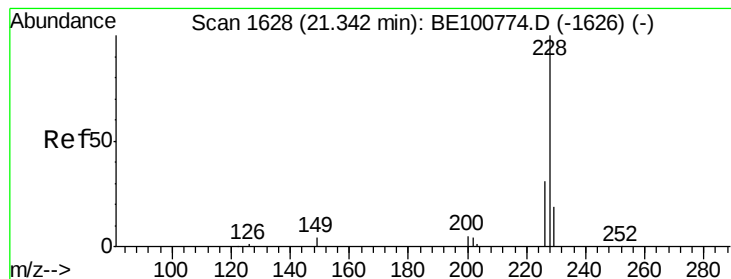
#30  
 Benzo(a)anthracene  
 Concen: 2.278 ng  
 RT: 21.29 min Scan# 1623  
 Delta R.T. -0.00 min  
 Lab File: BE100793.D  
 Acq: 5 Dec 2019 17:39

Tgt Ion:228 Resp: 284362  
 Ion Ratio Lower Upper  
 228 100  
 226 30.6 21.5 32.3  
 229 21.8 16.0 24.0



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: 1.768 ng

RT: 21.29 min Scan# 1623

Delta R.T. -0.05 min

Lab File: BE100793.D

Acq: 5 Dec 2019 17:39

Instrument :

BNA\_E

ClientSampleId :

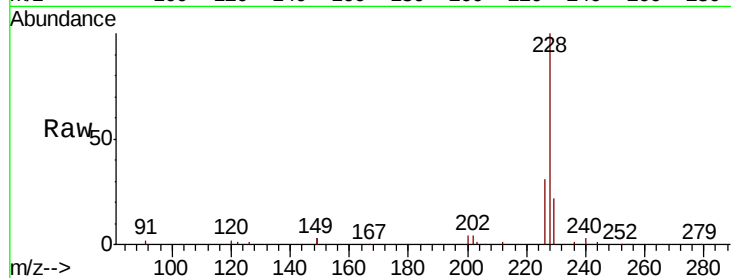
Tot Ion:228 Resp: 259293

Ion Ratio Lower Upper

228 100

226 30.6 25.0 37.4

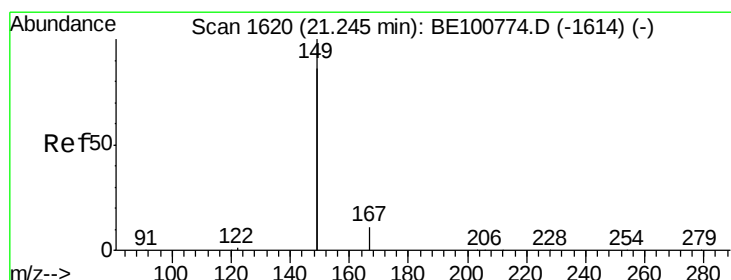
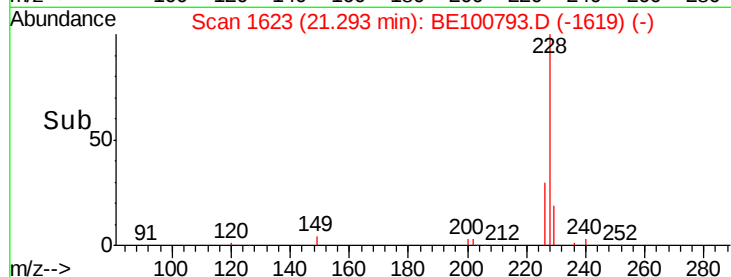
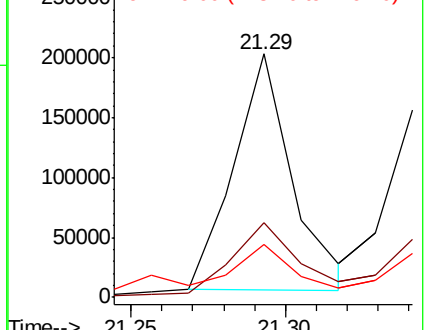
229 21.8 15.4 23.2



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: 0.769 ng

RT: 21.24 min Scan# 1619

Delta R.T. 0.00 min

Lab File: BE100793.D

Acq: 5 Dec 2019 17:39

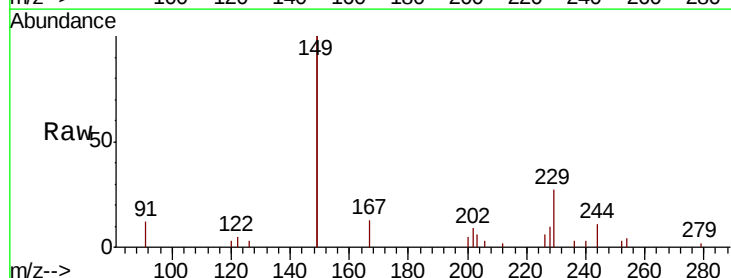
Tgt Ion:149 Resp: 69991

Ion Ratio Lower Upper

149 100

167 3.9 5.0 7.6#

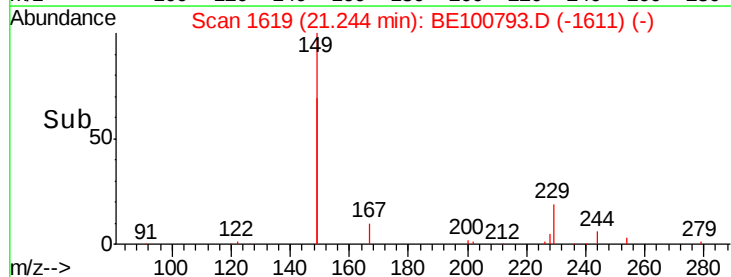
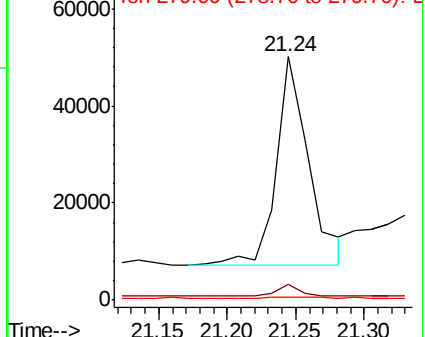
279 0.6 0.7 1.1#

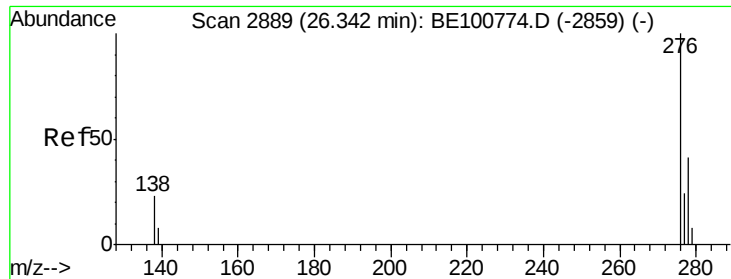


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

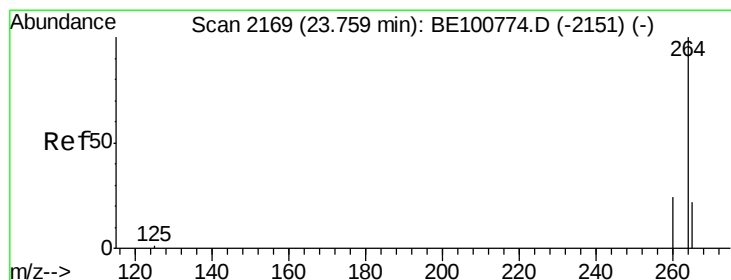
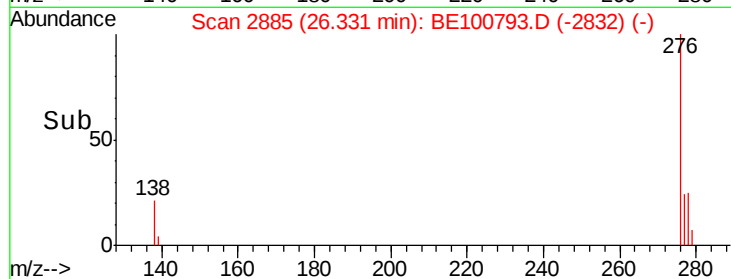
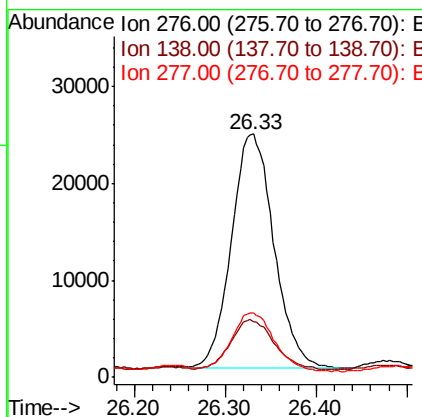
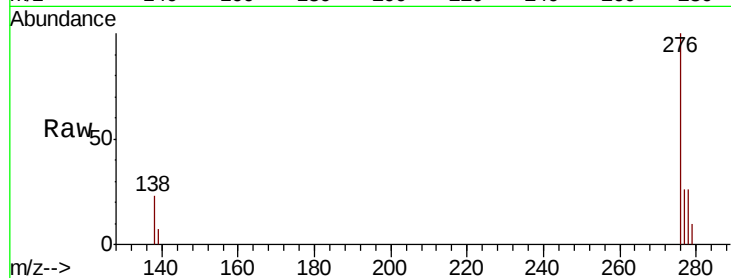




#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.611 ng  
 RT: 26.33 min Scan# 2885  
 Delta R.T. -0.01 min  
 Lab File: BE100793.D  
 Acq: 5 Dec 2019 17:39

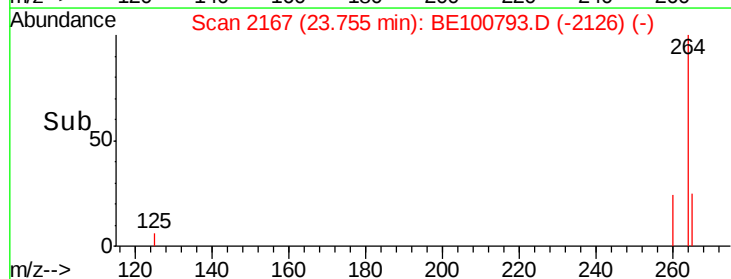
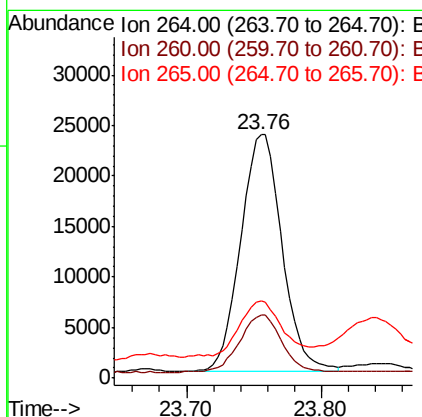
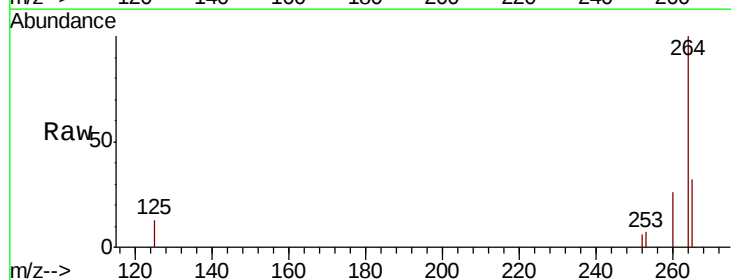
Instrument :  
 BNA\_E  
 ClientSampleId :

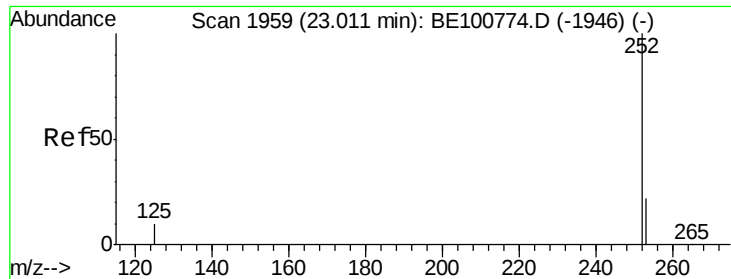
Tot Ion:276 Resp: 78051  
 Ion Ratio Lower Upper  
 276 100  
 138 22.3 19.4 29.0  
 277 25.2 19.8 29.6



#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.76 min Scan# 2167  
 Delta R.T. -0.00 min  
 Lab File: BE100793.D  
 Acq: 5 Dec 2019 17:39

Tgt Ion:264 Resp: 49908  
 Ion Ratio Lower Upper  
 264 100  
 260 26.0 19.4 29.2  
 265 31.8 21.8 32.8

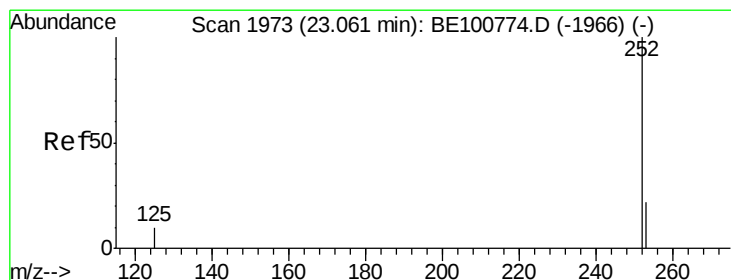
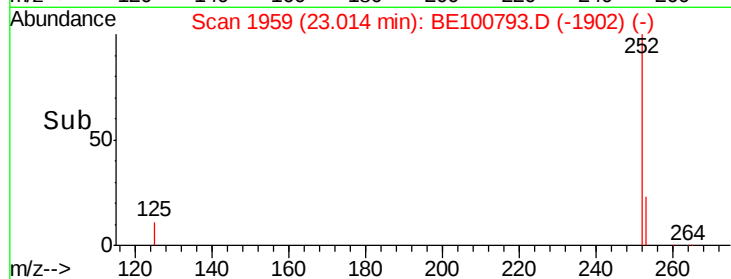
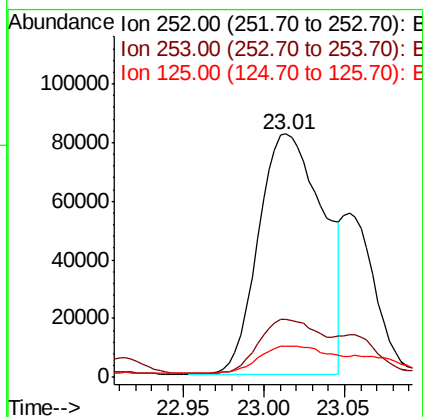
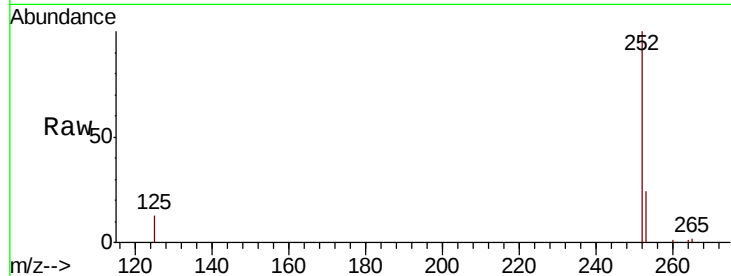




#35  
Benzo(b)fluoranthene  
Concen: 1.680 ng  
RT: 23.01 min Scan# 1959  
Delta R.T. 0.00 min  
Lab File: BE100793.D  
Acq: 5 Dec 2019 17:39

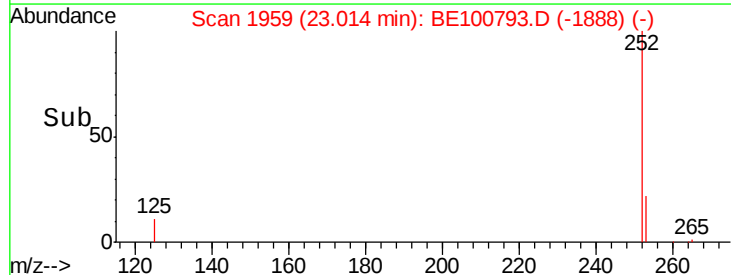
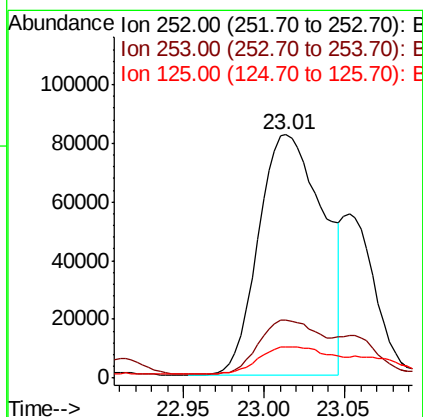
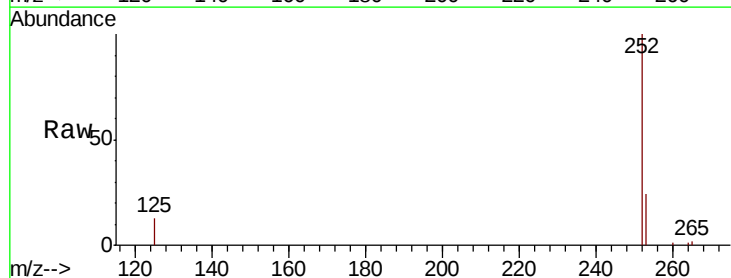
Instrument :  
BNA\_E  
ClientSampleId :

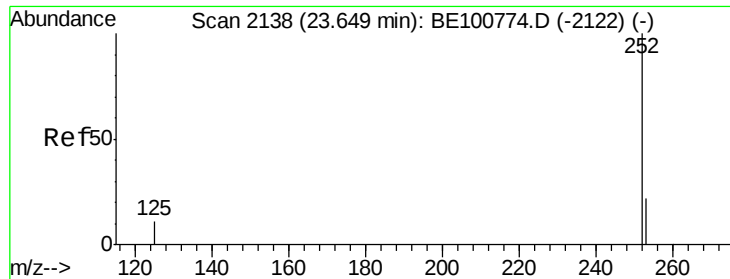
Tot Ion:252 Resp: 229567  
Ion Ratio Lower Upper  
252 100  
253 23.9 17.8 26.8  
125 12.7 9.0 13.4



#36  
Benzo(k)fluoranthene  
Concen: 1.498 ng  
RT: 23.01 min Scan# 1959  
Delta R.T. -0.05 min  
Lab File: BE100793.D  
Acq: 5 Dec 2019 17:39

Tgt Ion:252 Resp: 229567  
Ion Ratio Lower Upper  
252 100  
253 23.9 17.8 26.8  
125 12.7 8.7 13.1





#37

Benzo(a)pyrene

Concen: 1.411 ng

RT: 23.64 min Scan# 2136

Delta R.T. -0.00 min

Lab File: BE100793.D

Acq: 5 Dec 2019 17:39

Instrument :

BNA\_E

ClientSampleId :

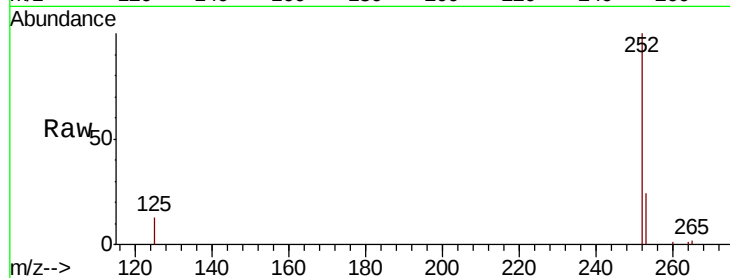
Tot Ion:252 Resp: 166875

Ion Ratio Lower Upper

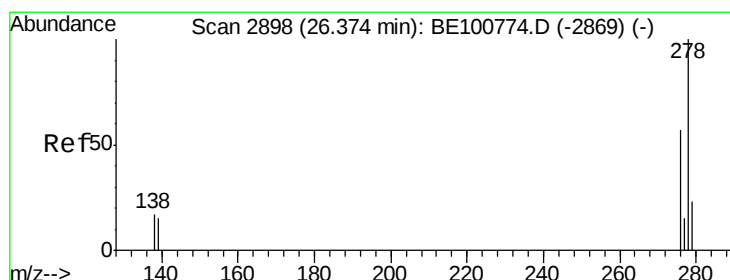
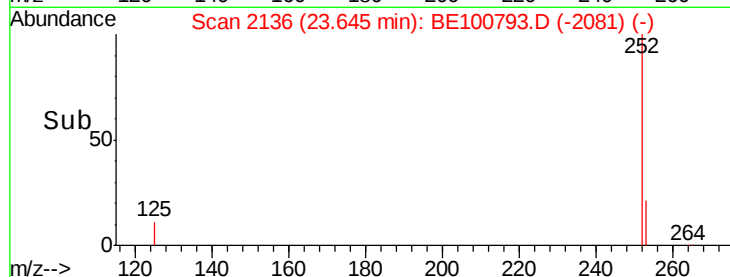
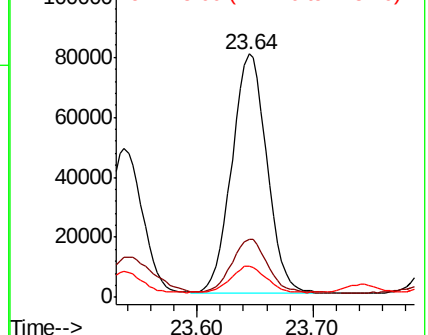
252 100

253 23.9 18.2 27.4

125 12.8 10.4 15.6



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: 0.228 ng

RT: 26.35 min Scan# 2889

Delta R.T. -0.03 min

Lab File: BE100793.D

Acq: 5 Dec 2019 17:39

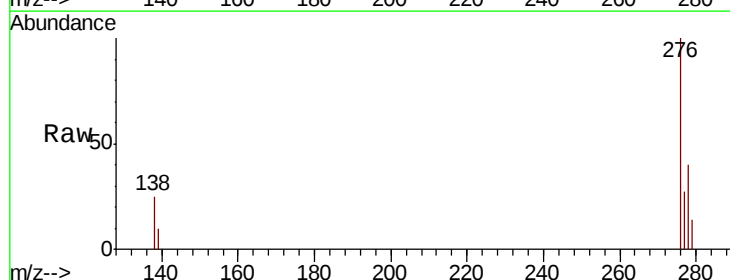
Tgt Ion:278 Resp: 26854

Ion Ratio Lower Upper

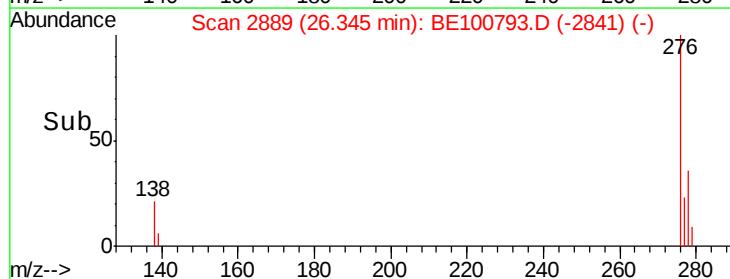
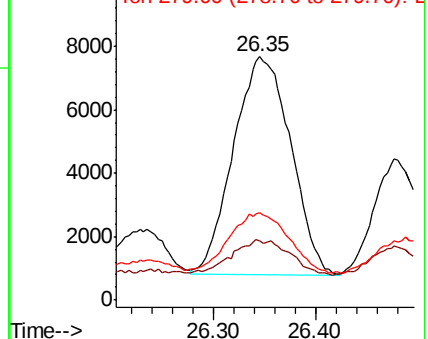
278 100

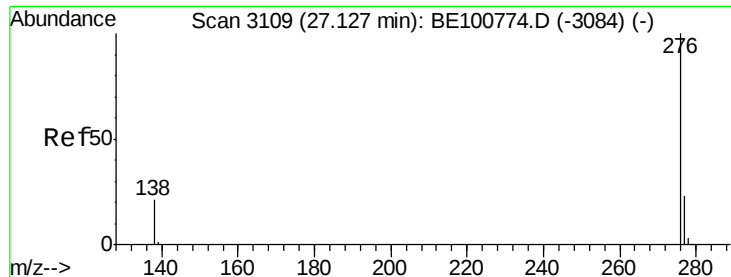
139 24.3 13.0 19.4#

279 36.1 19.6 29.4#



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: 0.539 ng

RT: 27.12 min Scan# 3106

Delta R.T. -0.01 min

Lab File: BE100793.D

Acq: 5 Dec 2019 17:39

Instrument :

BNA\_E

ClientSampleId :

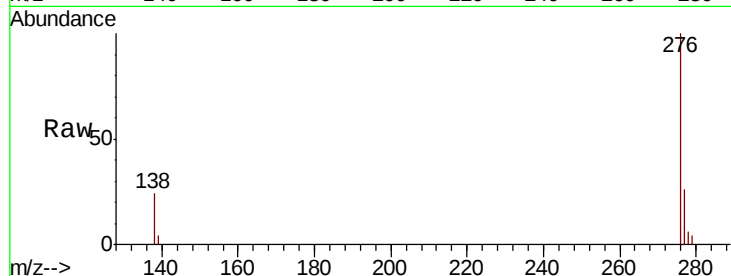
Tot Ion: 276 Resp: 67871

Ion Ratio Lower Upper

276 100

277 26.5 19.3 28.9

138 23.9 17.8 26.6



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

