

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE101819\  
 Data File : BE100658.D  
 Acq On : 18 Oct 2019 16:49  
 Operator : JU  
 Sample : K4995-02DL 25X  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Oct 18 23:46:19 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE101019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 10 14:01:52 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.86  | 152  | 7148     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.64 | 136  | 30780    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.48 | 164  | 17846    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.20 | 188  | 36719    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.37 | 240  | 37475    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.85 | 264  | 42898    | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.47  | 112  | 209      | 0.01 | ng    | 0.02     |
| 5) Phenol-d6                | 7.02  | 99   | 330      | 0.01 | ng    | 0.01     |
| 8) Nitrobenzene-d5          | 9.00  | 82   | 291      | 0.02 | ng    | 0.01     |
| 11) 2-Methylnaphthalene-d10 | 12.22 | 152  | 408      | 0.01 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 15.94 | 330  | 84       | 0.02 | ng    | -0.01    |
| 15) 2-Fluorobiphenyl        | 13.12 | 172  | 536      | 0.01 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 19.22 | 212  | 3342     | 0.01 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.82 | 244  | 1296     | 0.02 | ng    | 0.00     |

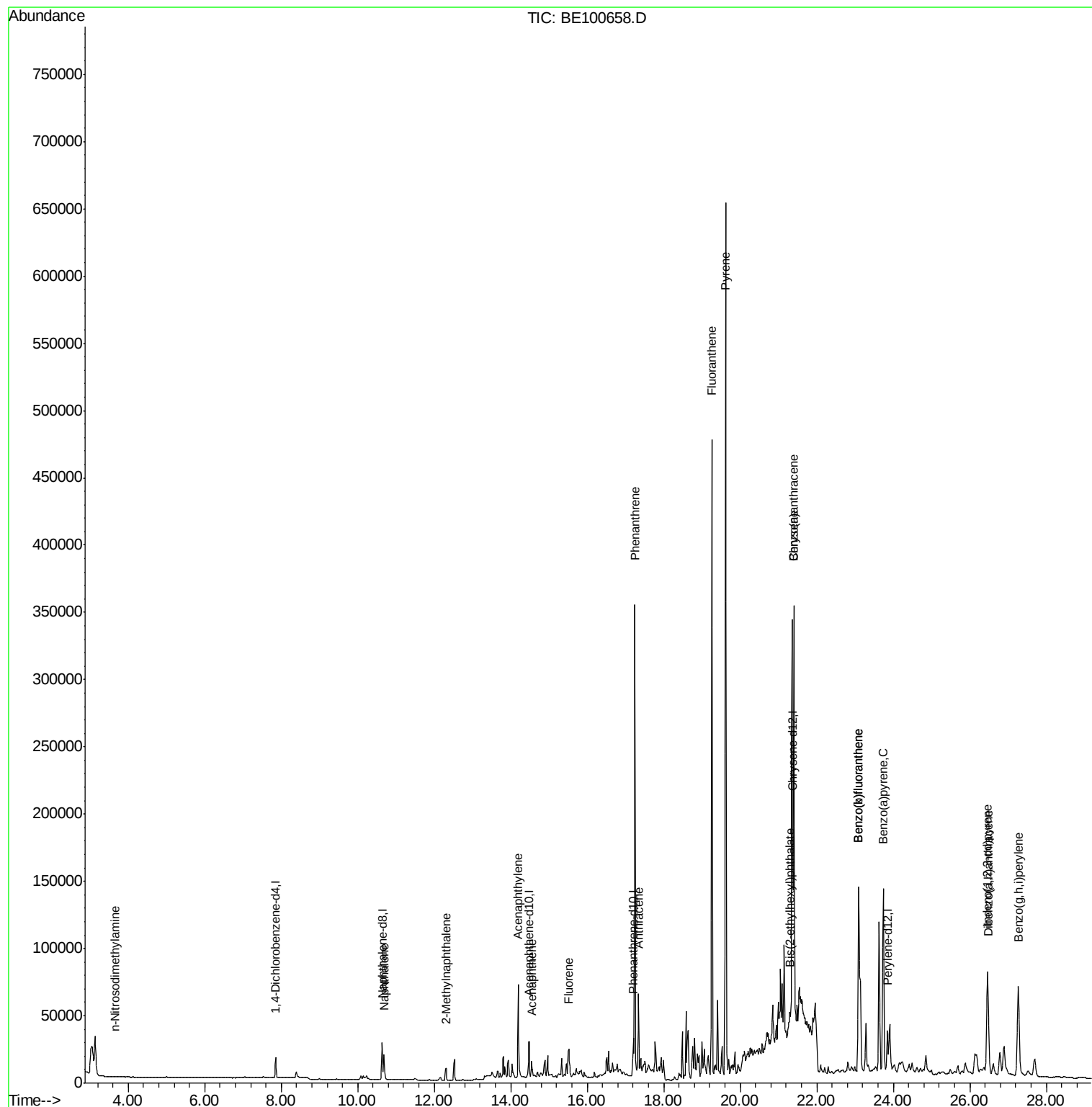
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 3) n-Nitrosodimethylamine      | 3.66  | 42   | 291      | 0.022 | ng    | # 1    |
| 9) Naphthalene                 | 10.69 | 128  | 32807    | 0.101 | ng    | 99     |
| 12) 2-Methylnaphthalene        | 12.31 | 142  | 7571     | 0.137 | ng    | 95     |
| 16) Acenaphthylene             | 14.20 | 152  | 78685    | 1.025 | ng    | 99     |
| 17) Acenaphthene               | 14.54 | 154  | 6792     | 0.137 | ng    | 97     |
| 18) Fluorene                   | 15.52 | 166  | 22424    | 0.340 | ng    | # 82   |
| 23) Phenanthrene               | 17.24 | 178  | 348630   | 3.452 | ng    | 100    |
| 24) Anthracene                 | 17.34 | 178  | 64221    | 0.685 | ng    | 99     |
| 26) Fluoranthene               | 19.26 | 202  | 447783   | 3.397 | ng    | 98     |
| 28) Pylene                     | 19.61 | 202  | 596973   | 5.702 | ng    | 96     |
| 30) Benzo(a)anthracene         | 21.40 | 228  | 279042   | 2.283 | ng    | 92     |
| 31) Chrysene                   | 21.40 | 228  | 277445   | 2.271 | ng    | 96     |
| 32) Bis(2-ethylhexyl)phthalate | 21.29 | 149  | 15937    | 0.062 | ng    | 97     |
| 33) Indeno(1,2,3-cd)pyrene     | 26.46 | 276  | 147397   | 0.982 | ng    | 96     |
| 35) Benzo(b)fluoranthene       | 23.09 | 252  | 278502   | 2.226 | ng    | 98     |
| 36) Benzo(k)fluoranthene       | 23.09 | 252  | 278502   | 2.165 | ng    | 98     |
| 37) Benzo(a)pyrene             | 23.73 | 252  | 227354   | 1.953 | ng    | 98     |
| 38) Dibenzo(a,h)anthracene     | 26.48 | 278  | 40693    | 0.338 | ng    | # 84   |
| 39) Benzo(g,h,i)perylene       | 27.27 | 276  | 166242   | 1.373 | ng    | 99     |

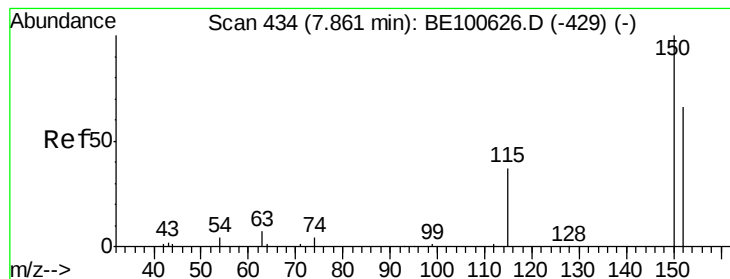
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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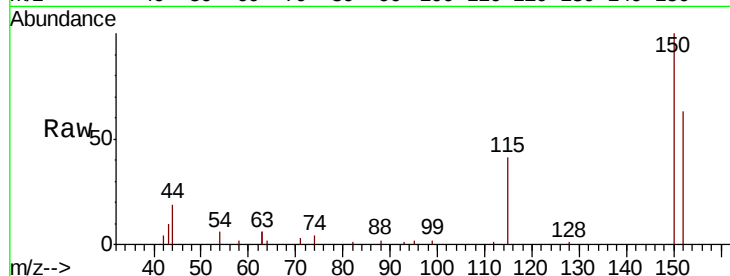


#1

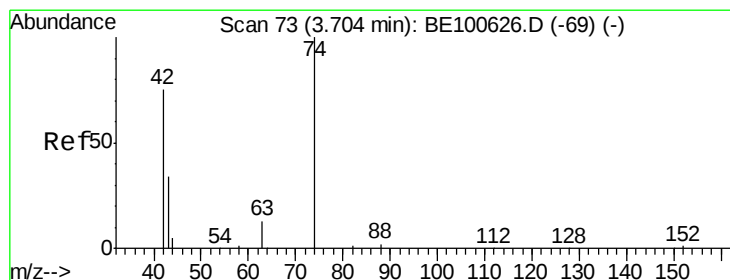
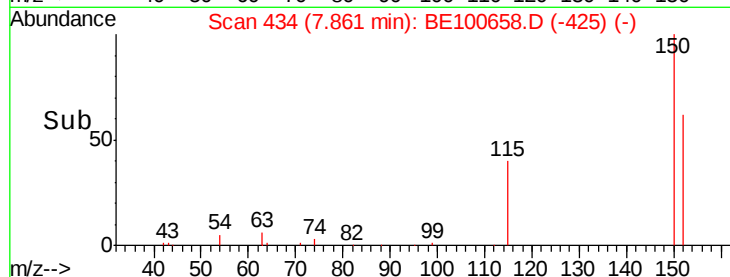
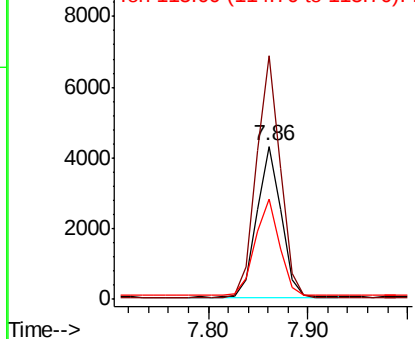
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.86 min Scan# 434  
Delta R.T. -0.00 min  
Lab File: BE100658.D  
Acq: 18 Oct 2019 16:49

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 7148  
Ion Ratio Lower Upper  
152 100  
150 158.9 120.7 181.1  
115 65.8 48.0 72.0



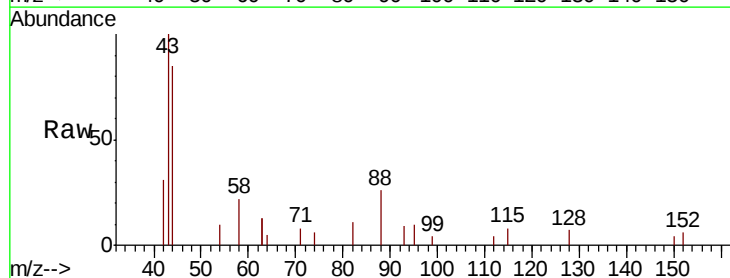
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



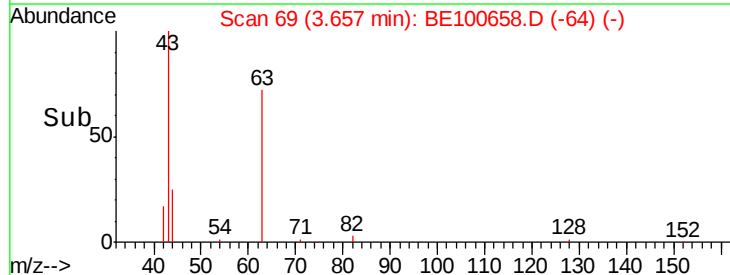
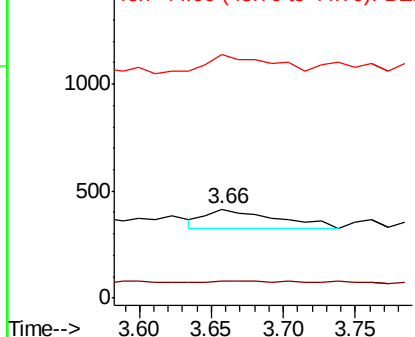
#3

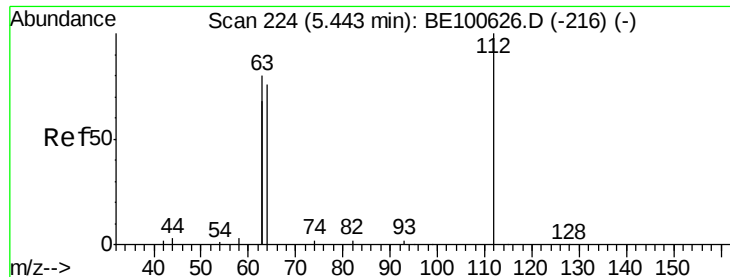
n-Nitrosodimethylamine  
Concen: 0.022 ng  
RT: 3.66 min Scan# 69  
Delta R.T. -0.05 min  
Lab File: BE100658.D  
Acq: 18 Oct 2019 16:49

Tgt Ion: 42 Resp: 291  
Ion Ratio Lower Upper  
42 100  
74 4.1 91.7 137.5#  
44 78.7 8.2 12.2#



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: 0.009 ng

RT: 5.47 min Scan# 226

Delta R.T. 0.02 min

Lab File: BE100658.D

Acq: 18 Oct 2019 16:49

Instrument :

BNA\_F

ClientSampleId :

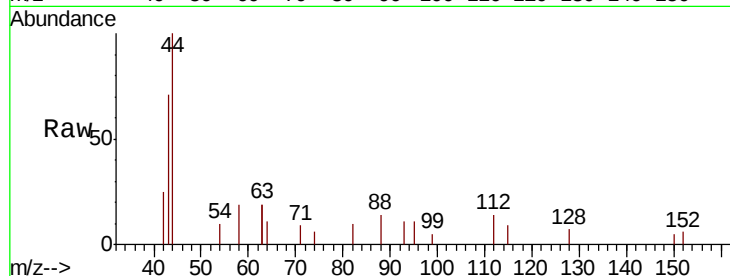
Tot Ion: 112 Resp: 209

Ion Ratio Lower Upper

112 100

64 69.9 58.9 88.3

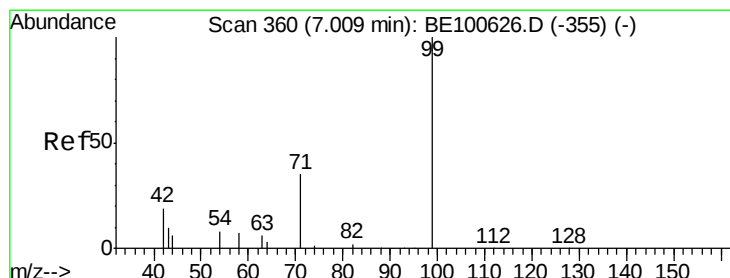
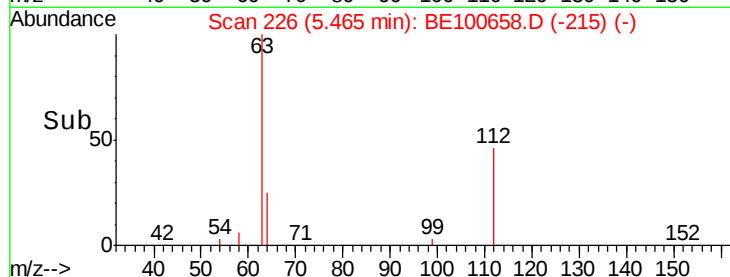
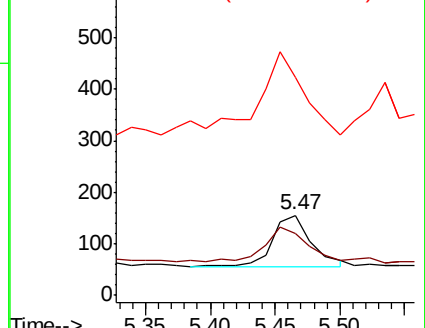
63 202.4 118.3 177.5#



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: 0.011 ng

RT: 7.02 min Scan# 361

Delta R.T. 0.01 min

Lab File: BE100658.D

Acq: 18 Oct 2019 16:49

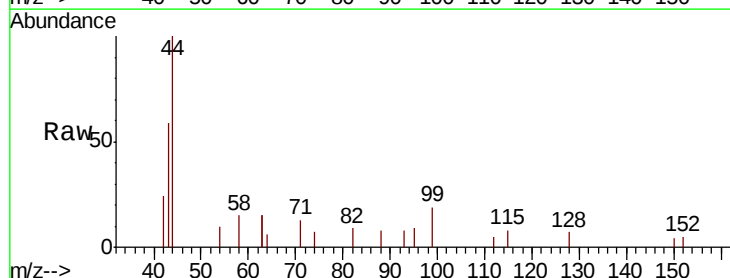
Tgt Ion: 99 Resp: 330

Ion Ratio Lower Upper

99 100

42 50.3 19.4 29.2#

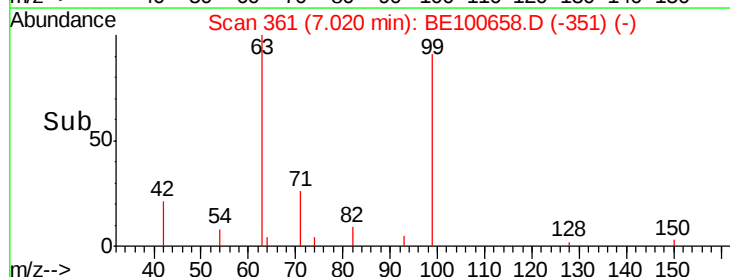
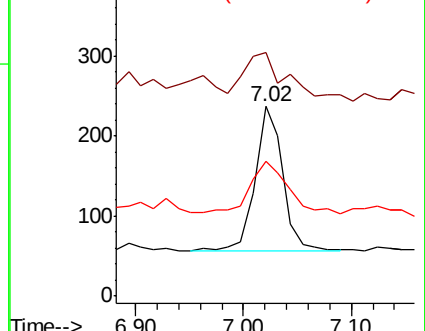
71 47.9 26.9 40.3#

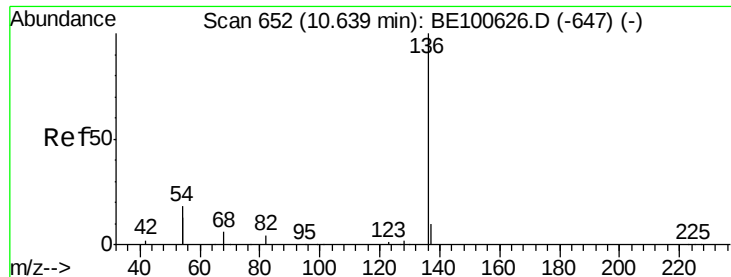


Abundance Ion 99.00 (98.70 to 99.70): BE1

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: 10.64 min Scan# 652

Delta R.T. 0.00 min

Lab File: BE100658.D

Acq: 18 Oct 2019 16:49

Instrument :

BNA\_F

ClientSampled :

Tot Ion:136 Resp: 30780

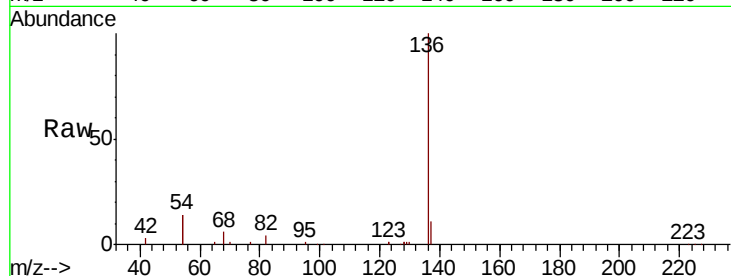
Ion Ratio Lower Upper

136 100

137 11.1 8.6 13.0

54 28.7 28.7 43.1#

68 6.3 5.9 8.9

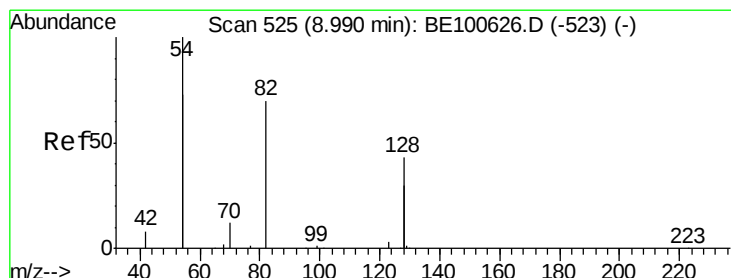
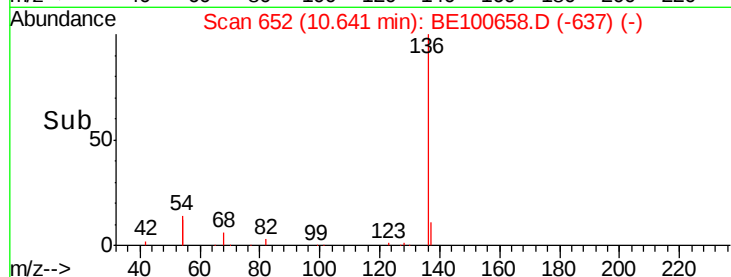
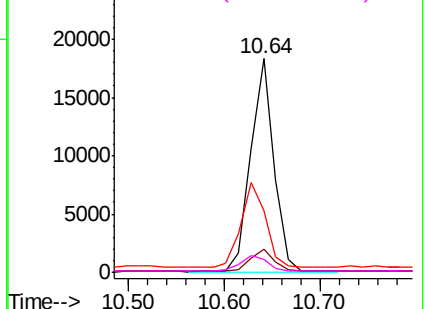


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.015 ng

RT: 9.00 min Scan# 526

Delta R.T. 0.01 min

Lab File: BE100658.D

Acq: 18 Oct 2019 16:49

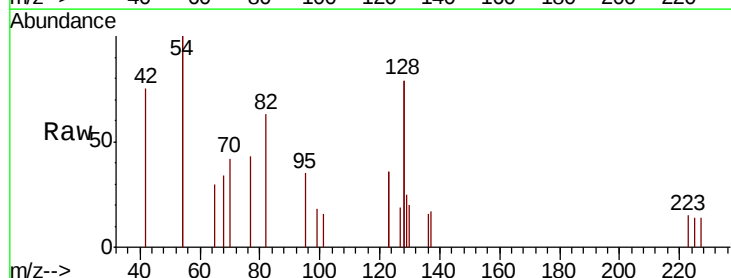
Tgt Ion: 82 Resp: 291

Ion Ratio Lower Upper

82 100

128 249.5 90.7 136.1#

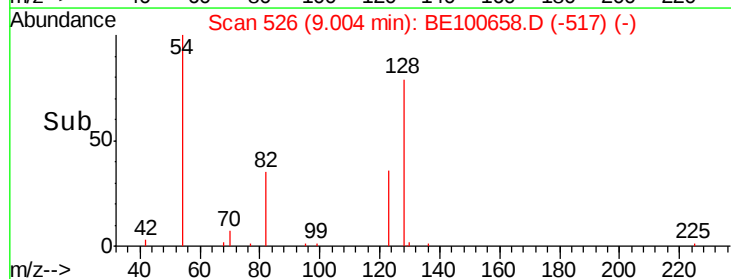
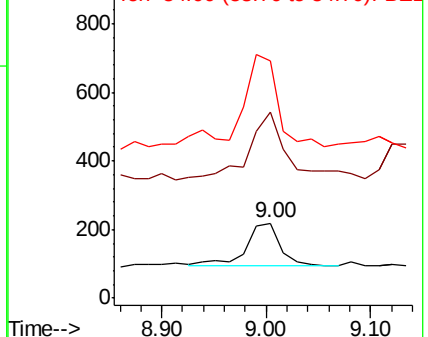
54 316.5 210.9 316.3#

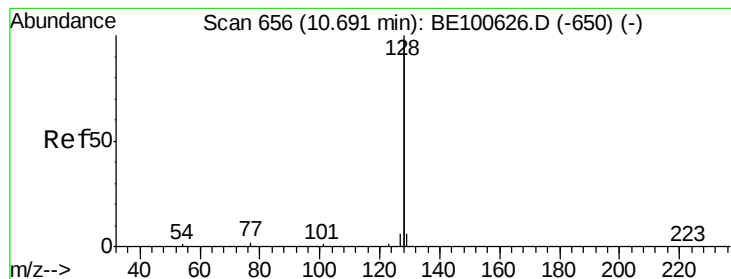


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.101 ng

RT: 10.69 min Scan# 656

Delta R.T. 0.00 min

Lab File: BE100658.D

Acq: 18 Oct 2019 16:49

Instrument :

BNA\_F

ClientSampleId :

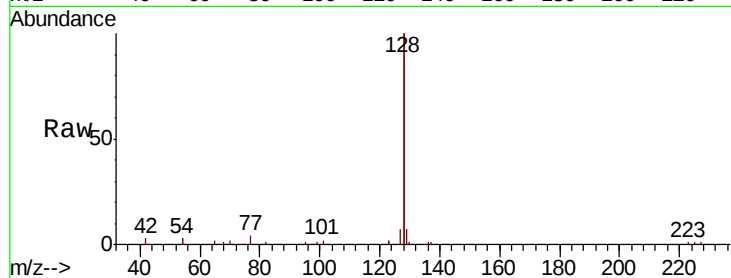
Tot Ion:128 Resp: 32807

Ion Ratio Lower Upper

128 100

129 3.4 2.4 3.6

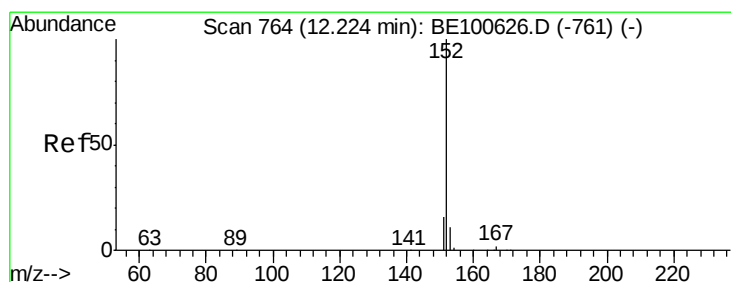
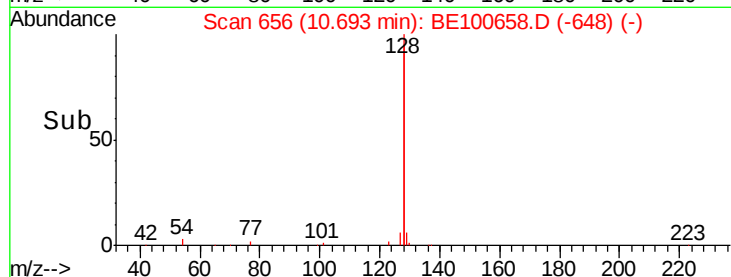
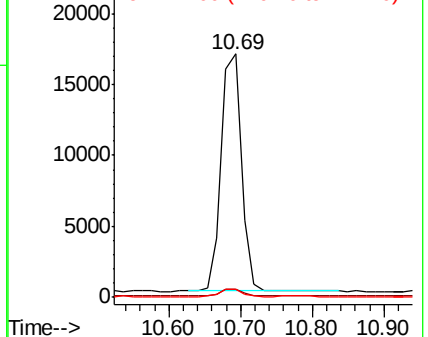
127 3.5 2.6 3.8



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: 0.008 ng

RT: 12.22 min Scan# 764

Delta R.T. -0.00 min

Lab File: BE100658.D

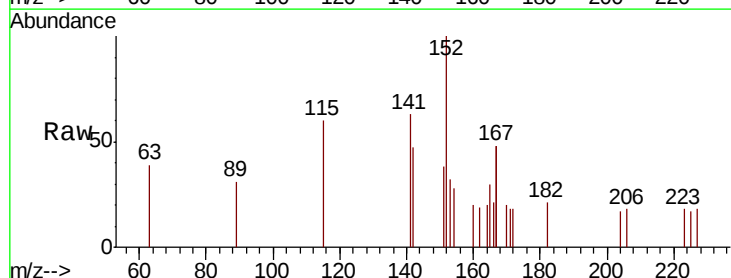
Acq: 18 Oct 2019 16:49

Tgt Ion:152 Resp: 408

Ion Ratio Lower Upper

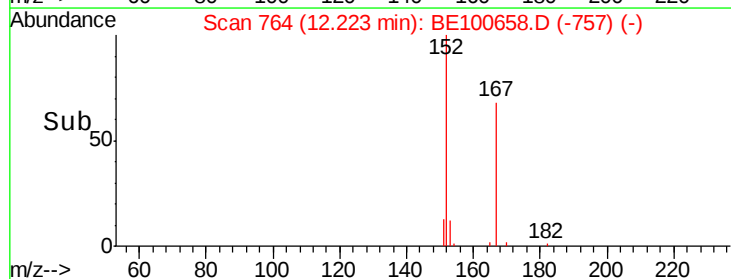
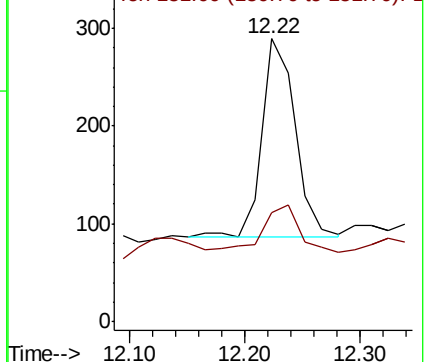
152 100

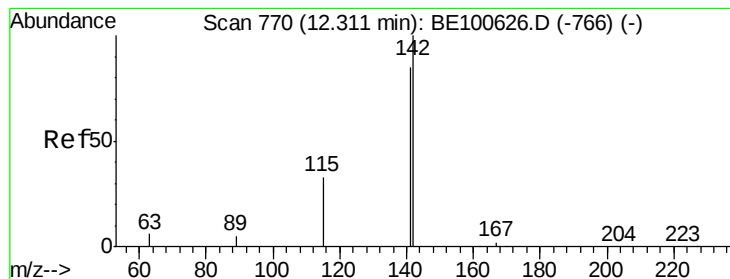
151 25.0 15.2 22.8#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

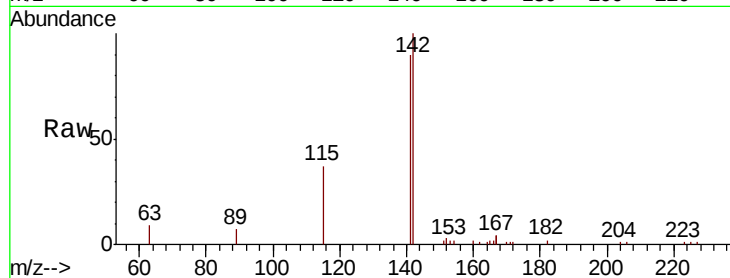




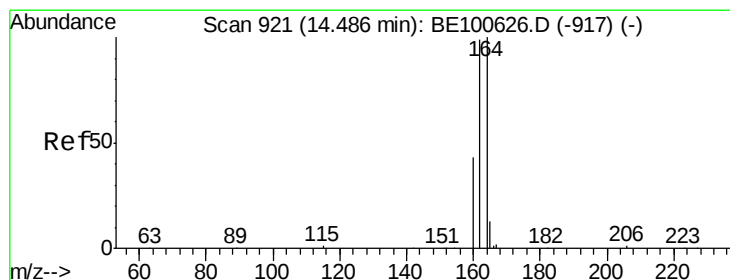
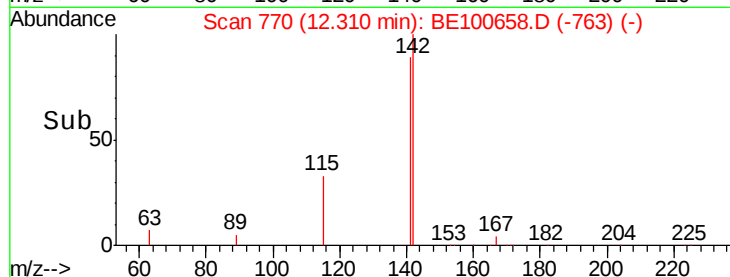
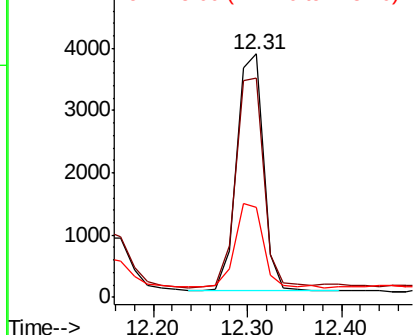
#12  
2-Methylnaphthalene  
Concen: 0.137 ng  
RT: 12.31 min Scan# 770  
Delta R.T. -0.00 min  
Lab File: BE100658.D  
Acq: 18 Oct 2019 16:49

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:142 Resp: 7571  
Ion Ratio Lower Upper  
142 100  
141 90.0 68.3 102.5  
115 36.8 27.5 41.3

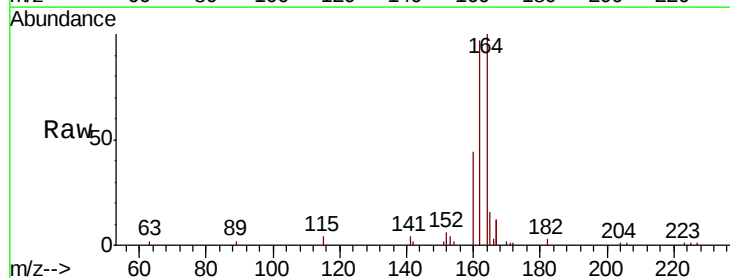


Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E

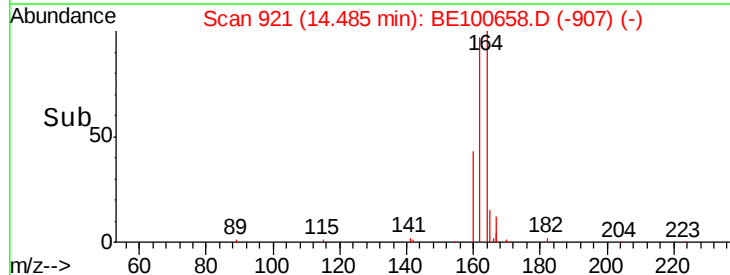
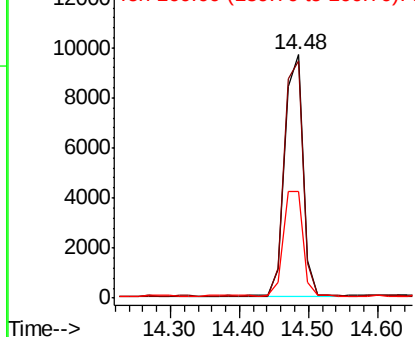


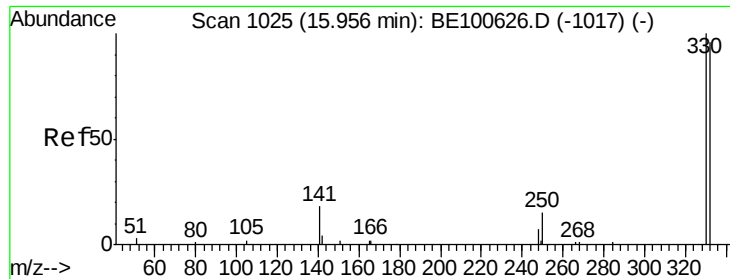
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.48 min Scan# 921  
Delta R.T. -0.00 min  
Lab File: BE100658.D  
Acq: 18 Oct 2019 16:49

Tgt Ion:164 Resp: 17846  
Ion Ratio Lower Upper  
164 100  
162 97.2 79.1 118.7  
160 43.6 34.7 52.1



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

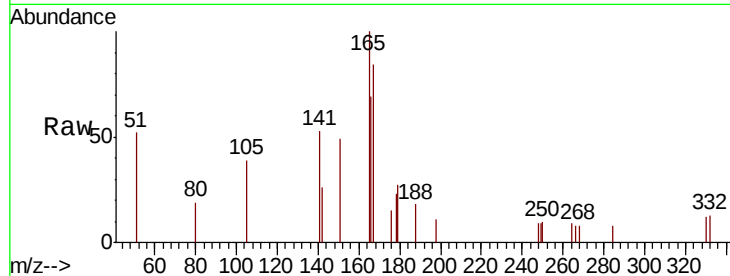




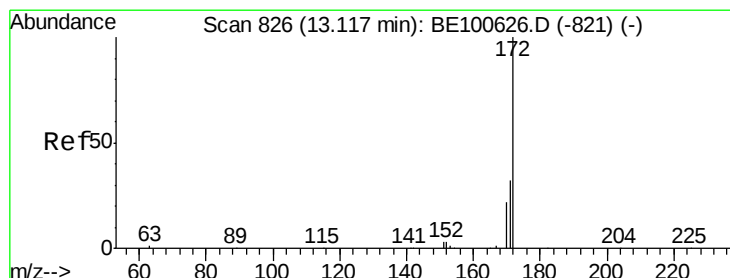
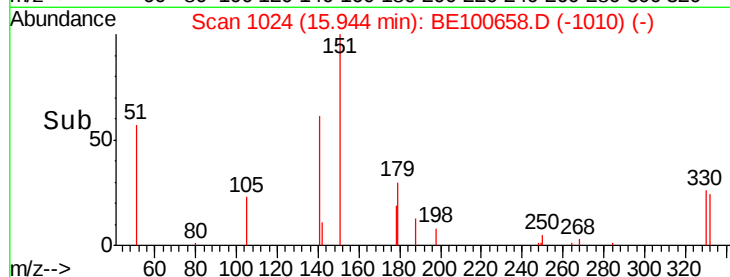
#14  
 2,4,6-Tribromophenol  
 Concen: 0.018 ng  
 RT: 15.94 min Scan# 1024  
 Delta R.T. -0.01 min  
 Lab File: BE100658.D  
 Acq: 18 Oct 2019 16:49

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:330 Resp: 84  
 Ion Ratio Lower Upper  
 330 100  
 332 109.5 75.2 112.8  
 141 1261.9 37.5 56.3#

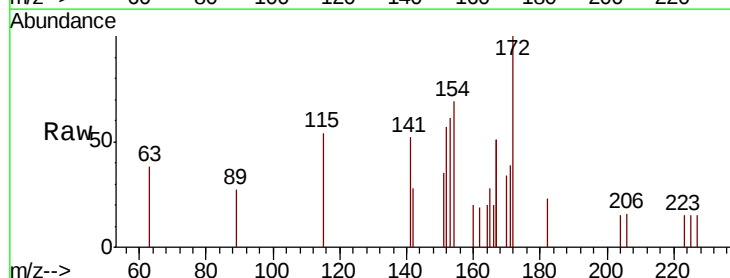


Abundance Ion 330.00 (329.70 to 330.70): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

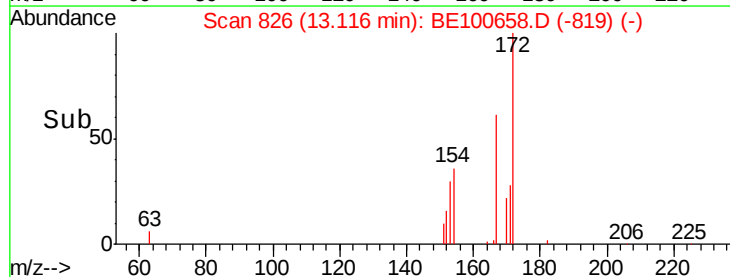
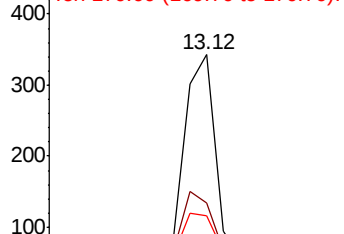


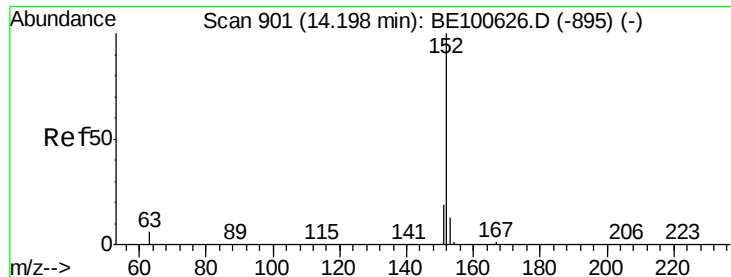
#15  
 2-Fluorobiphenyl  
 Concen: 0.008 ng  
 RT: 13.12 min Scan# 826  
 Delta R.T. -0.00 min  
 Lab File: BE100658.D  
 Acq: 18 Oct 2019 16:49

Tgt Ion:172 Resp: 536  
 Ion Ratio Lower Upper  
 172 100  
 171 39.1 26.2 39.4  
 170 34.1 17.5 26.3#



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

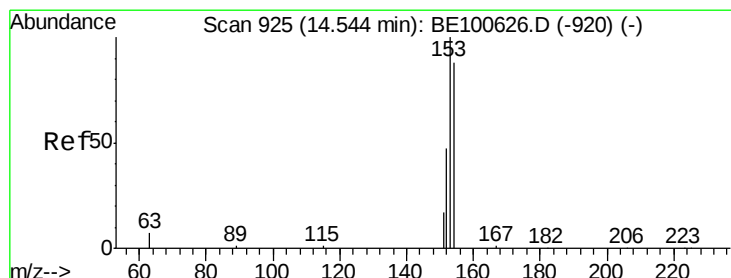
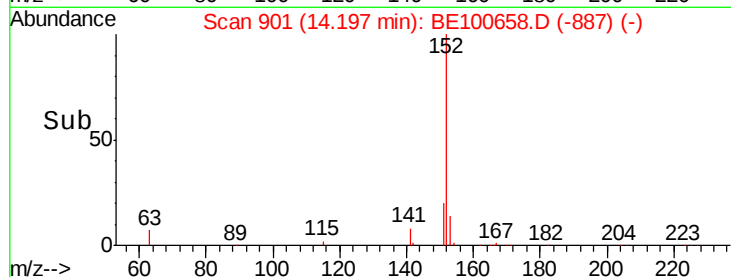
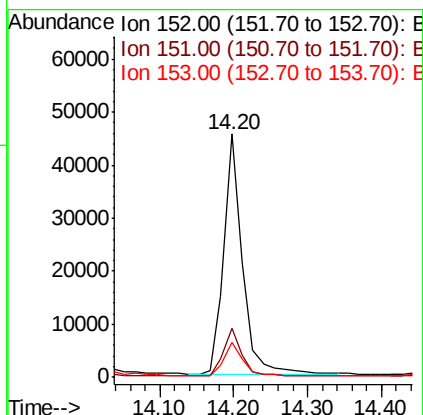
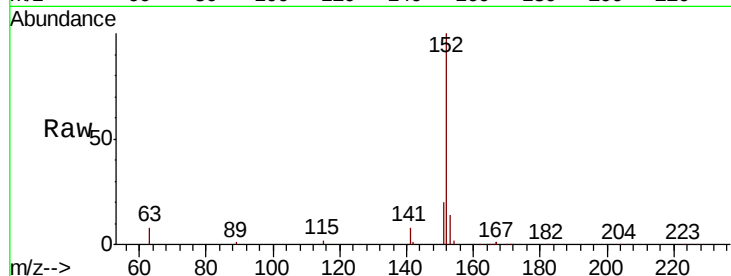




#16  
Acenaphthylene  
Concen: 1.025 ng  
RT: 14.20 min Scan# 901  
Delta R.T. -0.00 min  
Lab File: BE100658.D  
Acq: 18 Oct 2019 16:49

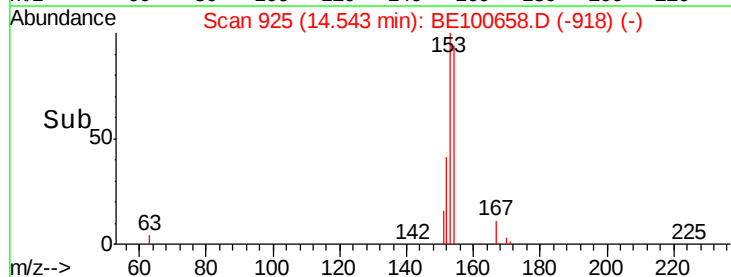
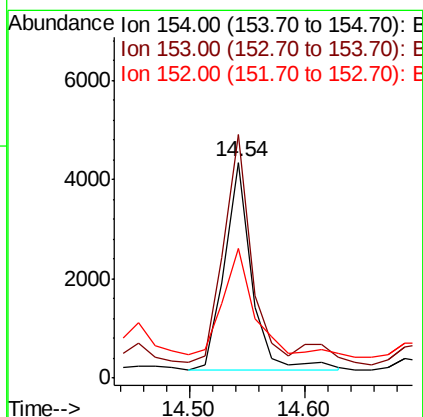
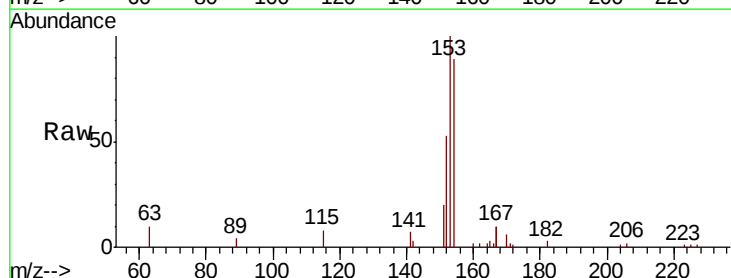
Instrument :  
BNA\_F  
ClientSampleId :

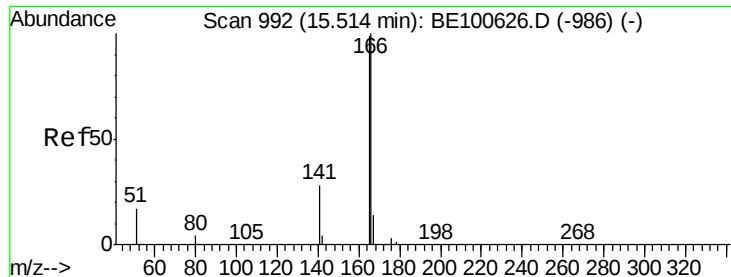
Tot Ion:152 Resp: 78685  
Ion Ratio Lower Upper  
152 100  
151 19.7 15.6 23.4  
153 13.9 10.5 15.7



#17  
Acenaphthene  
Concen: 0.137 ng  
RT: 14.54 min Scan# 925  
Delta R.T. -0.00 min  
Lab File: BE100658.D  
Acq: 18 Oct 2019 16:49

Tgt Ion:154 Resp: 6792  
Ion Ratio Lower Upper  
154 100  
153 111.2 91.4 137.2  
152 57.9 44.0 66.0

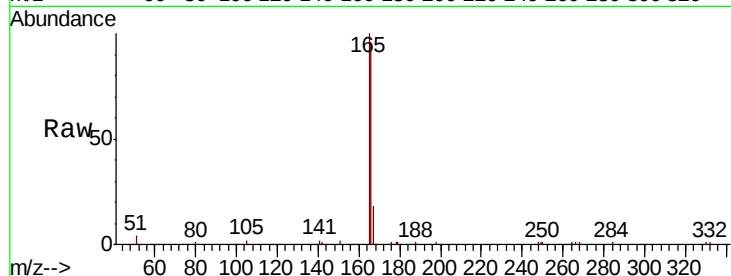




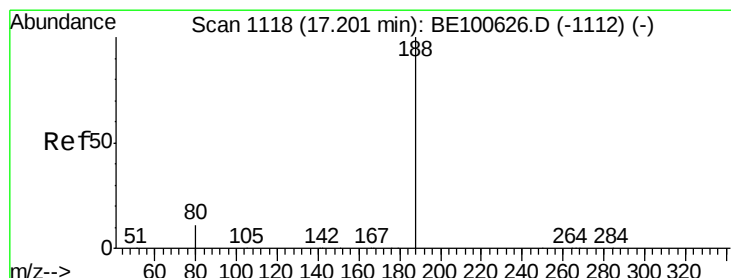
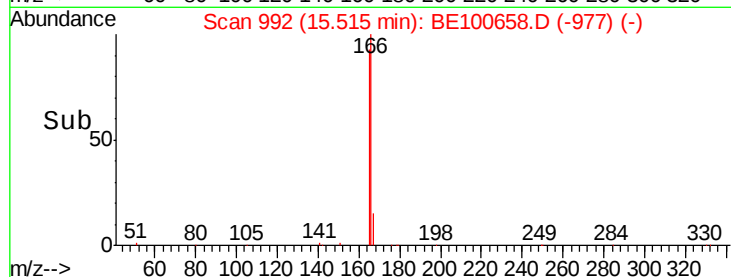
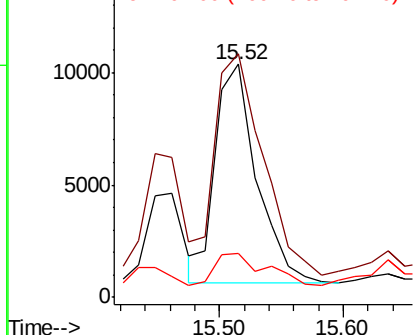
#18  
 Fluorene  
 Concen: 0.340 ng  
 RT: 15.52 min Scan# 992  
 Delta R.T. 0.00 min  
 Lab File: BE100658.D  
 Acq: 18 Oct 2019 16:49

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:166 Resp: 22424  
 Ion Ratio Lower Upper  
 166 100  
 165 117.6 78.9 118.3  
 167 17.7 10.9 16.3#

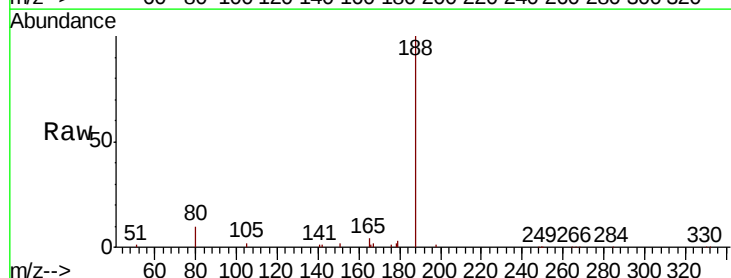


Abundance Ion 166.00 (165.70 to 166.70): E  
 Ion 165.00 (164.70 to 165.70): E  
 Ion 167.00 (166.70 to 167.70): E

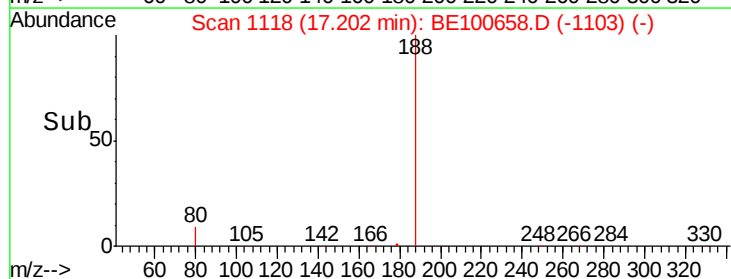
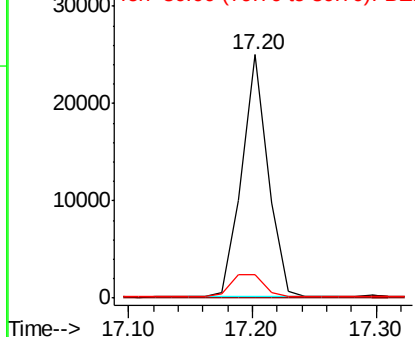


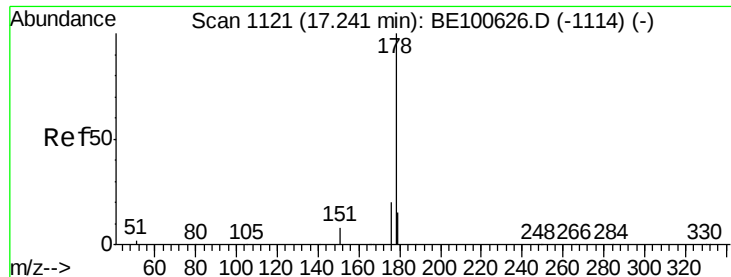
#19  
 Phenanthrene-d10  
 Concen: 0.400 ng  
 RT: 17.20 min Scan# 1118  
 Delta R.T. 0.00 min  
 Lab File: BE100658.D  
 Acq: 18 Oct 2019 16:49

Tgt Ion:188 Resp: 36719  
 Ion Ratio Lower Upper  
 188 100  
 94 0.0 0.0 0.0  
 80 9.6 9.4 14.2



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





#23

Phenanthrene

Concen: 3.452 ng

RT: 17.24 min Scan# 1121

Delta R.T. 0.00 min

Lab File: BE100658.D

Acq: 18 Oct 2019 16:49

Instrument :

BNA\_F

ClientSampleId :

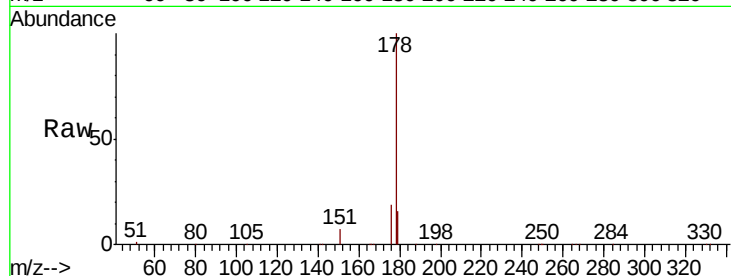
Tot Ion:178 Resp: 348630

Ion Ratio Lower Upper

178 100

176 19.4 15.6 23.4

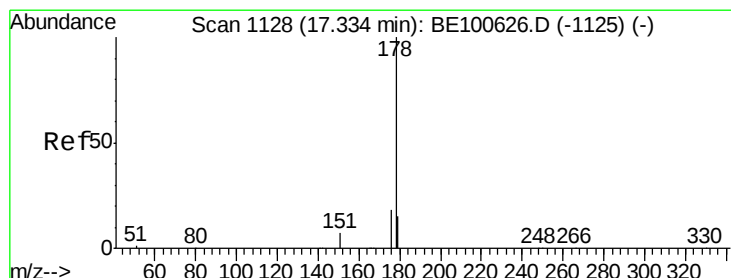
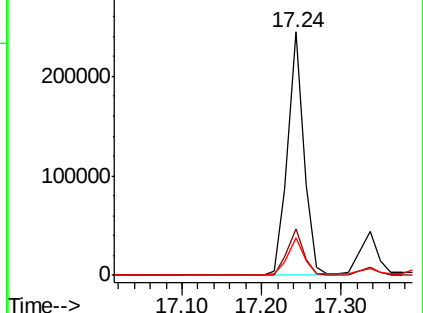
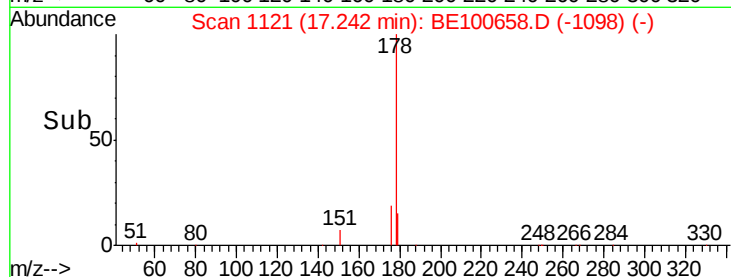
179 15.7 12.4 18.6



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: 0.685 ng

RT: 17.34 min Scan# 1128

Delta R.T. 0.00 min

Lab File: BE100658.D

Acq: 18 Oct 2019 16:49

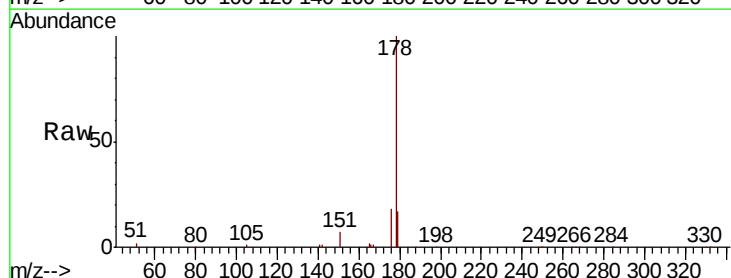
Tgt Ion:178 Resp: 64221

Ion Ratio Lower Upper

178 100

176 18.3 14.5 21.7

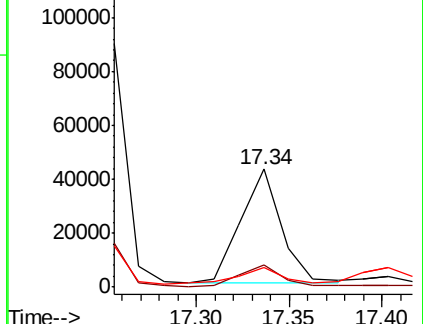
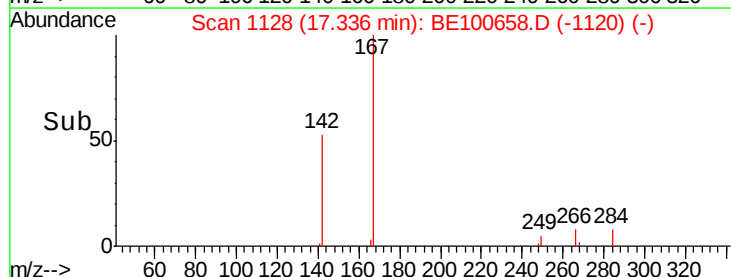
179 16.0 12.4 18.6

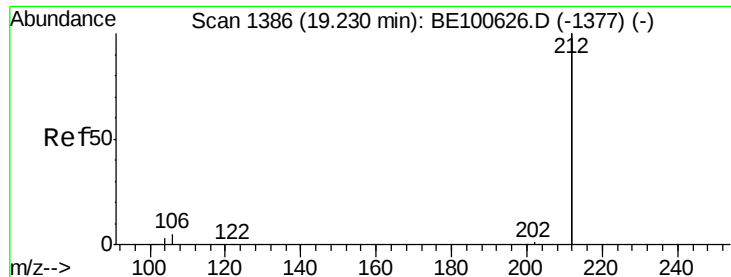


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

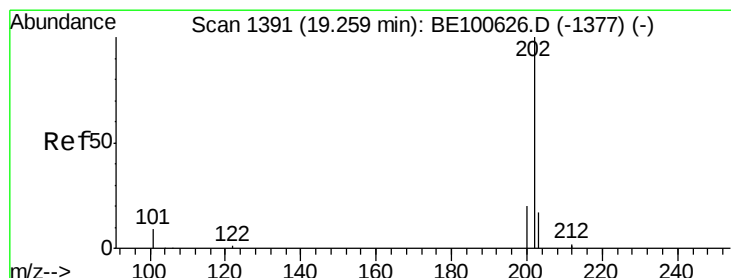
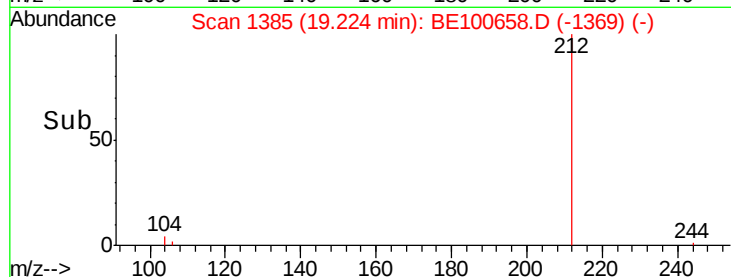
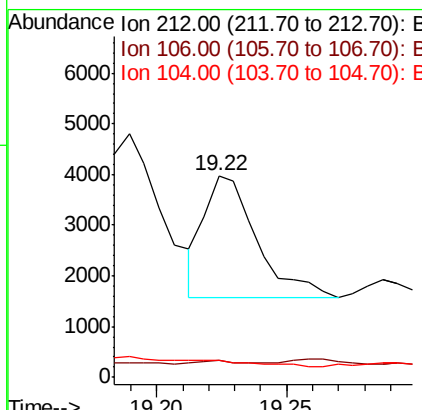
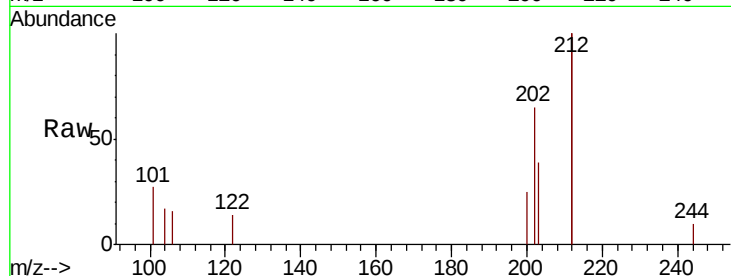




#25  
Fluoranthene-d10  
Concen: 0.007 ng  
RT: 19.22 min Scan# 1385  
Delta R.T. -0.01 min  
Lab File: BE100658.D  
Acq: 18 Oct 2019 16:49

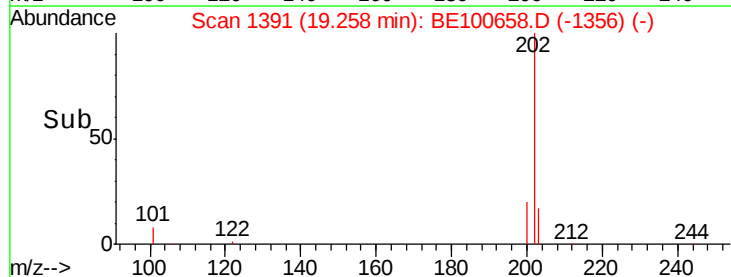
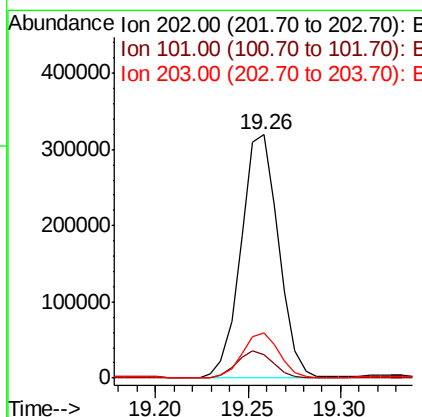
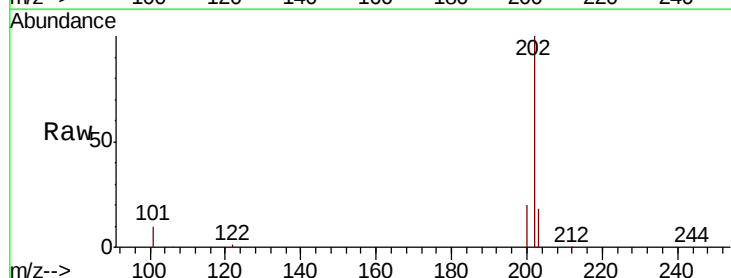
Instrument :  
BNA\_F  
ClientSampleId :

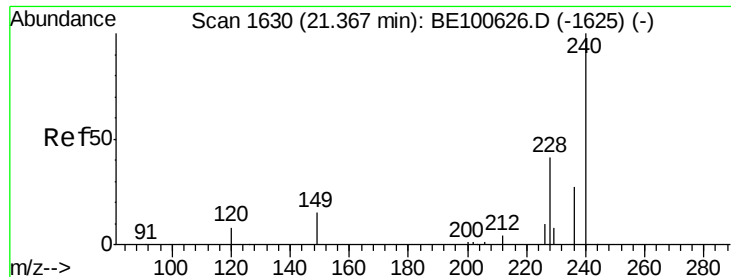
Tot Ion:212 Resp: 3342  
Ion Ratio Lower Upper  
212 100  
106 1.6 2.2 3.4#  
104 0.0 1.3 1.9#



#26  
Fluoranthene  
Concen: 3.397 ng  
RT: 19.26 min Scan# 1391  
Delta R.T. -0.00 min  
Lab File: BE100658.D  
Acq: 18 Oct 2019 16:49

Tgt Ion:202 Resp: 447783  
Ion Ratio Lower Upper  
202 100  
101 10.8 8.4 12.6  
203 18.0 13.8 20.6

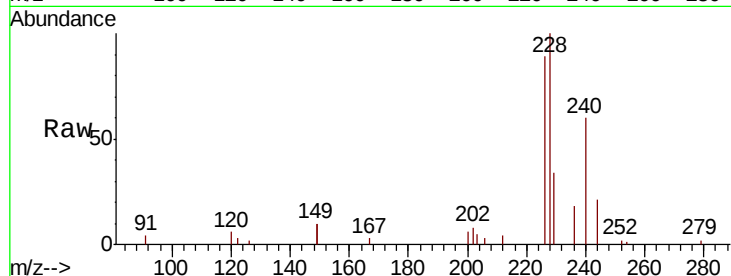




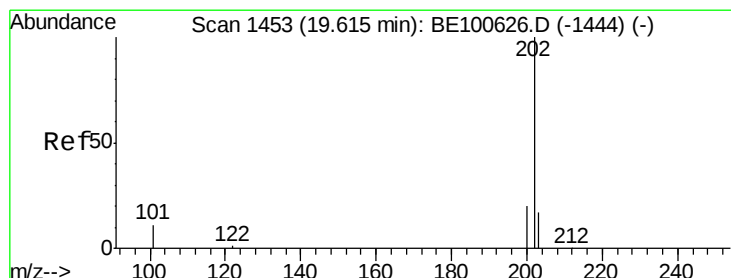
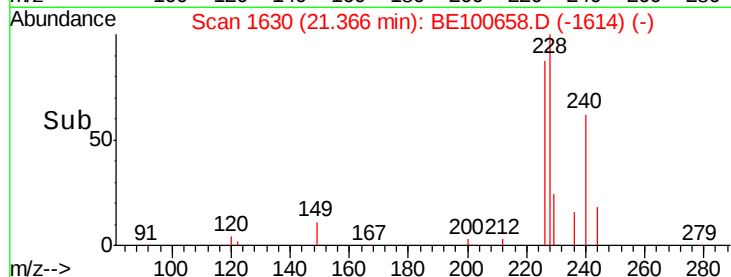
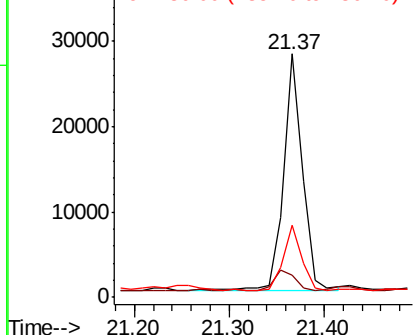
#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.37 min Scan# 1630  
Delta R.T. -0.00 min  
Lab File: BE100658.D  
Acq: 18 Oct 2019 16:49

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:240 Resp: 37475  
Ion Ratio Lower Upper  
240 100  
120 9.1 7.4 11.0  
236 29.6 21.7 32.5

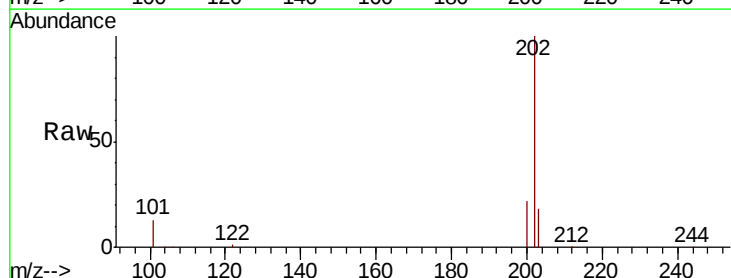


Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

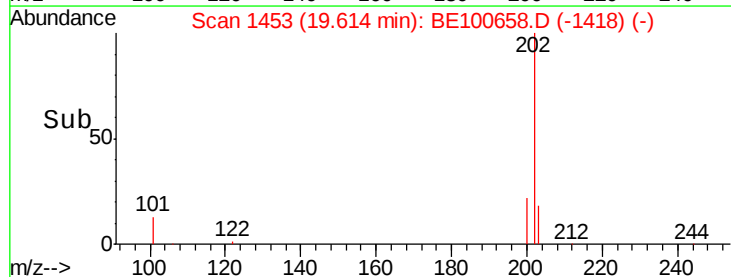
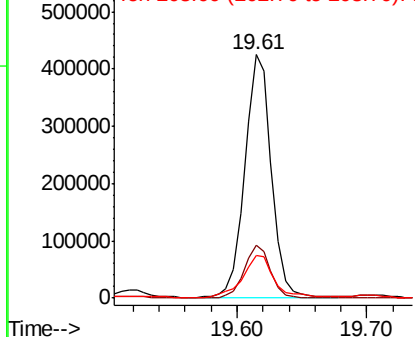


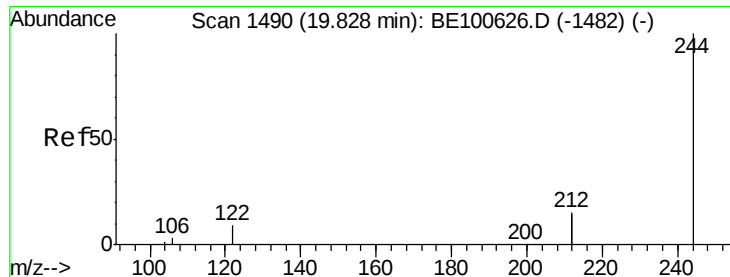
#28  
Pyrene  
Concen: 5.702 ng  
RT: 19.61 min Scan# 1453  
Delta R.T. -0.00 min  
Lab File: BE100658.D  
Acq: 18 Oct 2019 16:49

Tgt Ion:202 Resp: 596973  
Ion Ratio Lower Upper  
202 100  
200 21.2 16.6 24.8  
203 20.7 13.9 20.9



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: 0.016 ng

RT: 19.82 min Scan# 1489

Delta R.T. -0.01 min

Lab File: BE100658.D

Acq: 18 Oct 2019 16:49

Instrument :

BNA\_F

ClientSampled :

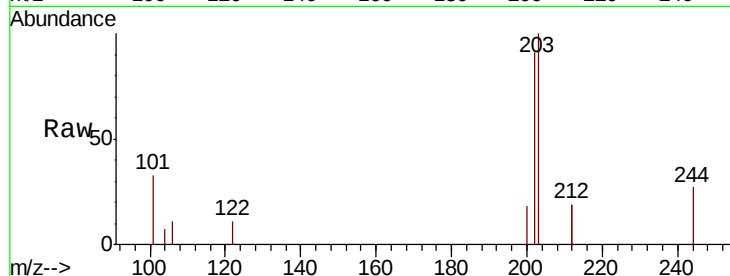
Tot Ion:244 Resp: 1296

Ion Ratio Lower Upper

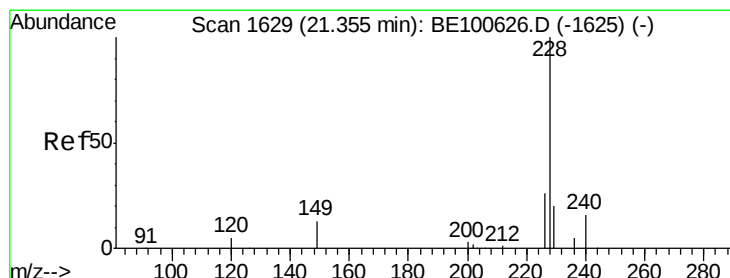
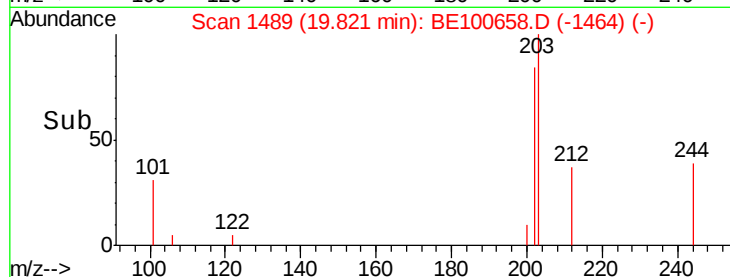
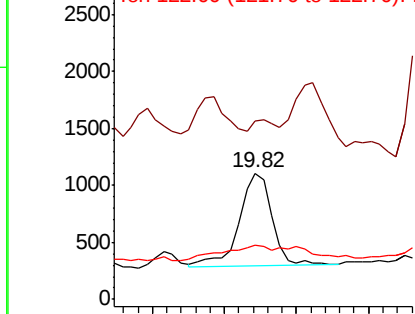
244 100

212 141.3 23.9 35.9#

122 42.6 7.7 11.5#



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



#30

Benzo(a)anthracene

Concen: 2.283 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.05 min

Lab File: BE100658.D

Acq: 18 Oct 2019 16:49

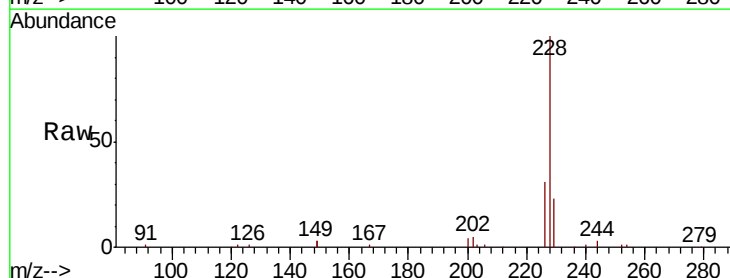
Tgt Ion:228 Resp: 279042

Ion Ratio Lower Upper

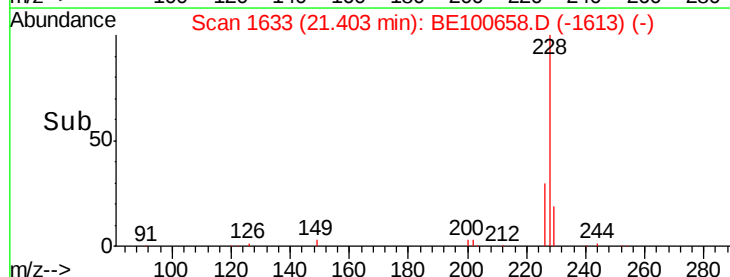
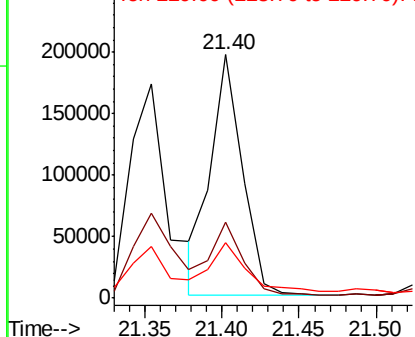
228 100

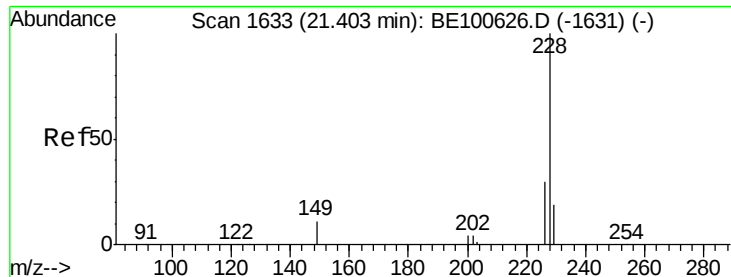
226 31.4 21.0 31.6

229 22.6 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: 2.271 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE100658.D

Acq: 18 Oct 2019 16:49

Instrument :

BNA\_F

ClientSampleId :

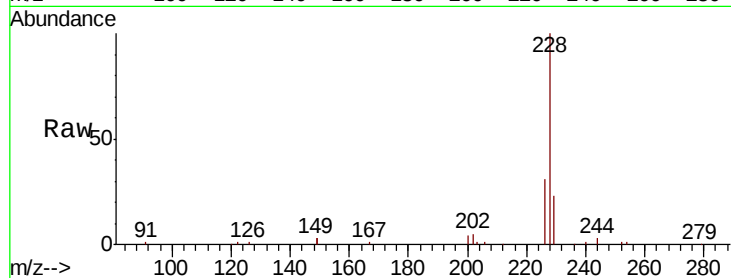
Tot Ion:228 Resp: 277445

Ion Ratio Lower Upper

228 100

226 31.4 24.5 36.7

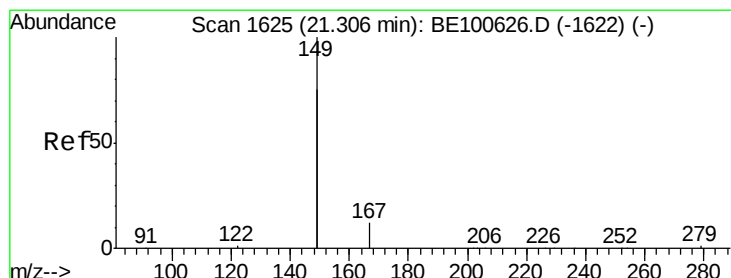
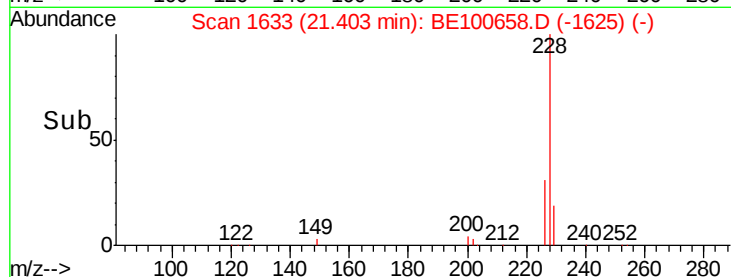
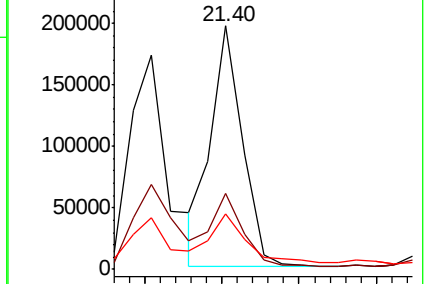
229 22.6 15.6 23.4



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: 0.062 ng

RT: 21.29 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BE100658.D

Acq: 18 Oct 2019 16:49

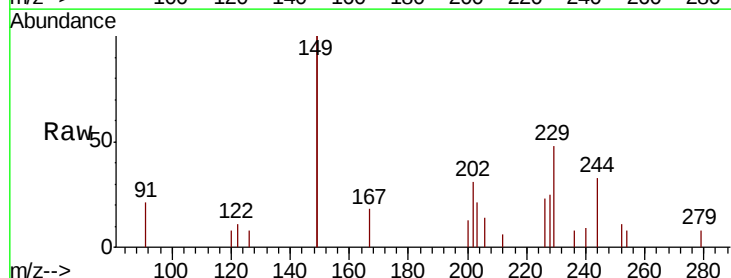
Tgt Ion:149 Resp: 15937

Ion Ratio Lower Upper

149 100

167 8.1 5.4 8.2

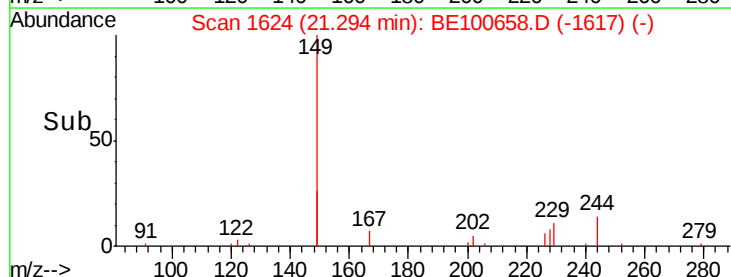
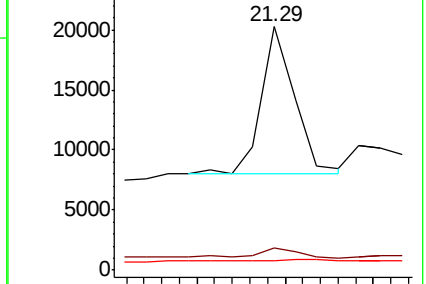
279 1.9 1.5 2.3

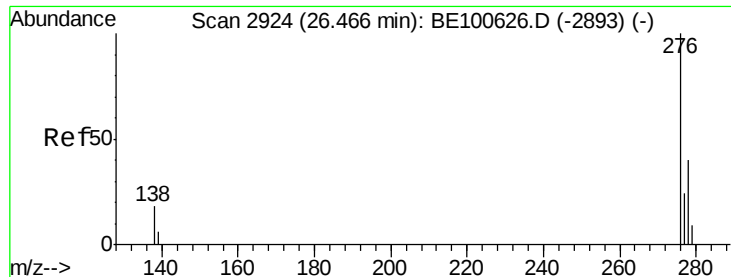


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

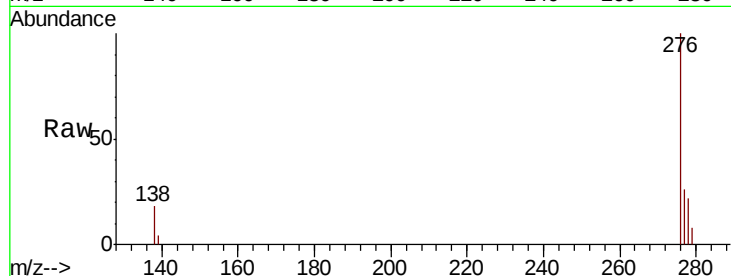




#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.982 ng  
 RT: 26.46 min Scan# 2923  
 Delta R.T. -0.00 min  
 Lab File: BE100658.D  
 Acq: 18 Oct 2019 16:49

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 16.7  | 16.0  | 24.0  |
| 277     | 25.0  | 19.7  | 29.5  |

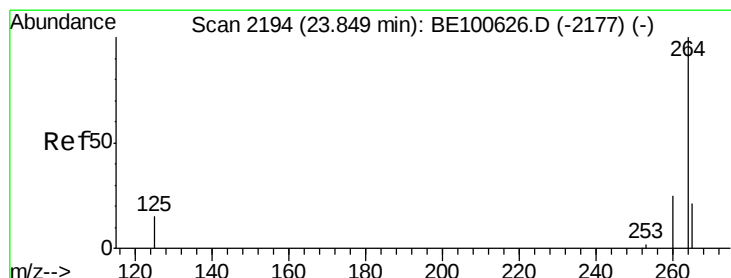
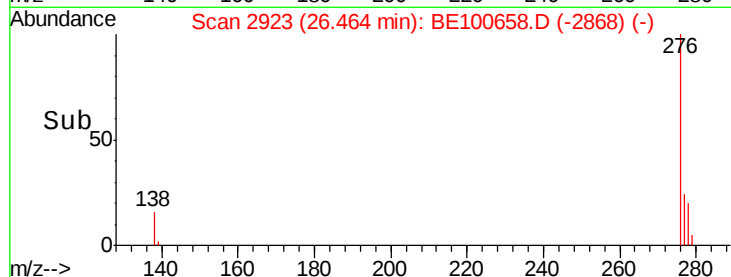
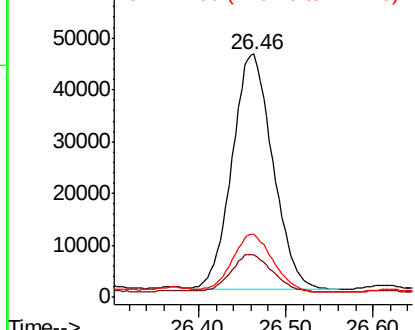


Abundance

Ion 276.00 (275.70 to 276.70): E

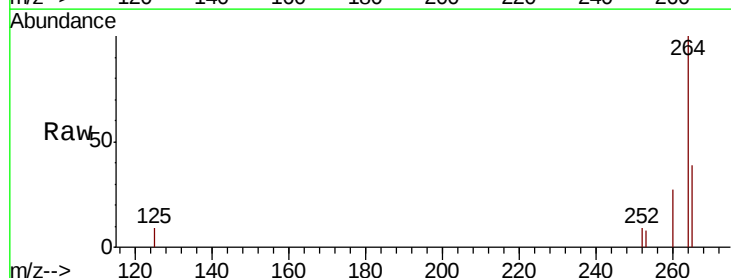
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.85 min Scan# 2194  
 Delta R.T. -0.00 min  
 Lab File: BE100658.D  
 Acq: 18 Oct 2019 16:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 26.5  | 19.9  | 29.9  |
| 265     | 38.8  | 20.0  | 30.0# |

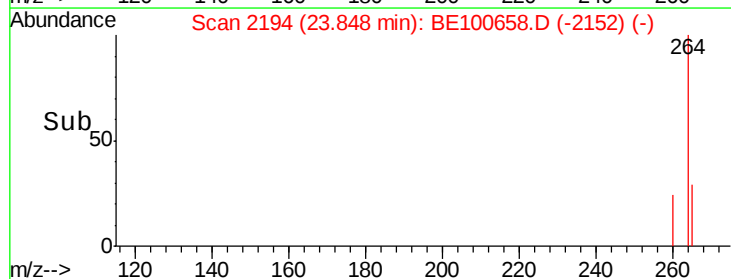
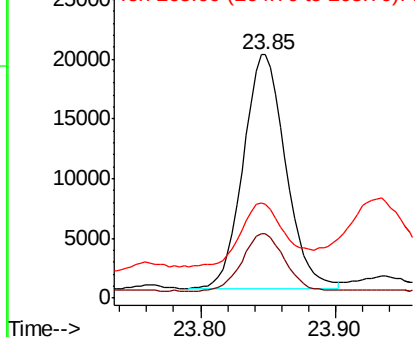


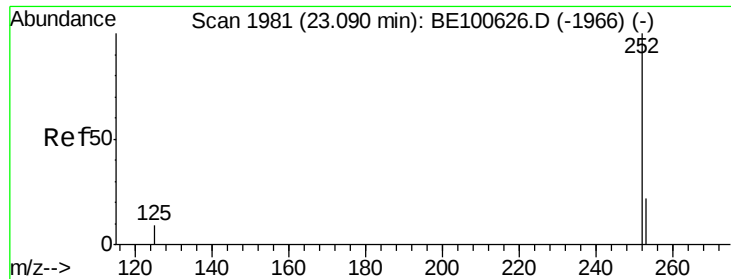
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 2.226 ng

RT: 23.09 min Scan# 1982

Delta R.T. 0.00 min

Lab File: BE100658.D

Acq: 18 Oct 2019 16:49

Instrument :

BNA\_F

ClientSampleId :

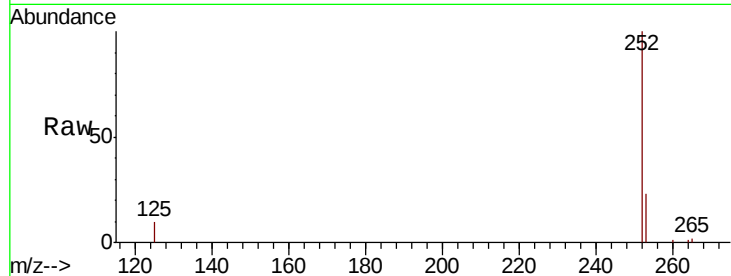
Tot Ion:252 Resp: 278502

Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.8

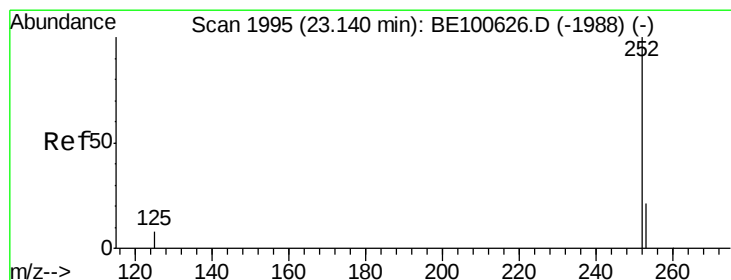
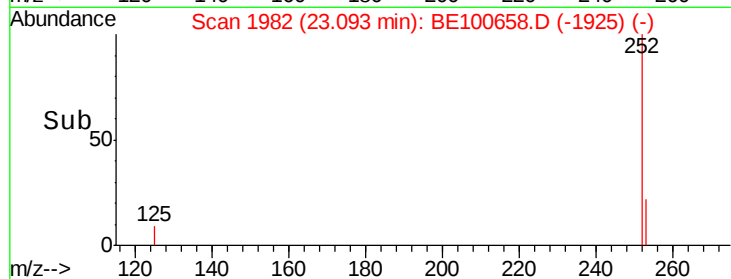
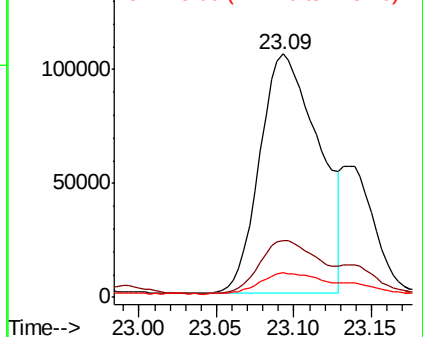
125 10.0 7.6 11.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 2.165 ng

RT: 23.09 min Scan# 1982

Delta R.T. -0.05 min

Lab File: BE100658.D

Acq: 18 Oct 2019 16:49

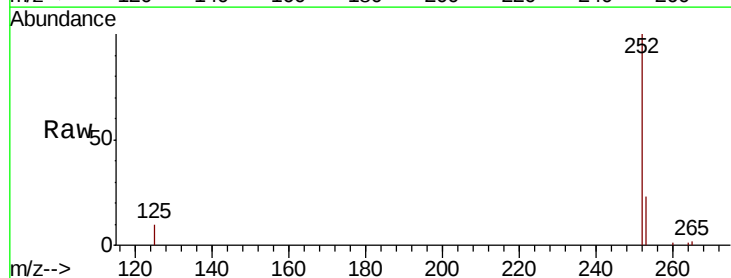
Tgt Ion:252 Resp: 278502

Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.6

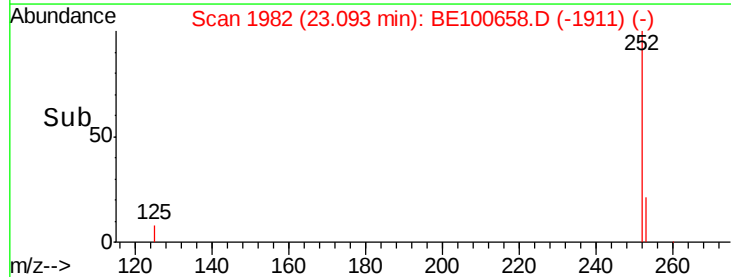
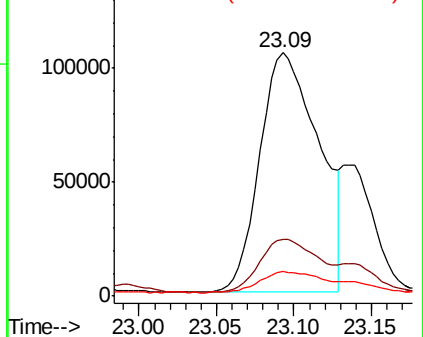
125 10.0 7.6 11.4

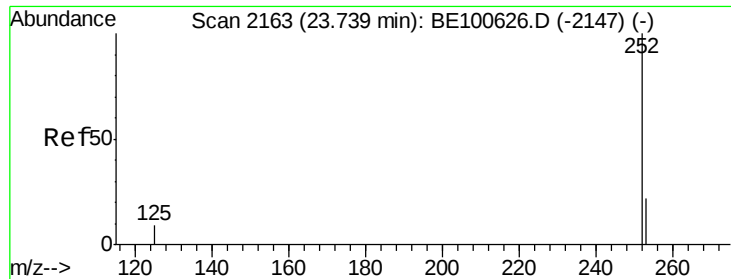


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 1.953 ng

RT: 23.73 min Scan# 2162

Delta R.T. -0.00 min

Lab File: BE100658.D

Acq: 18 Oct 2019 16:49

Instrument :

BNA\_F

ClientSampleId :

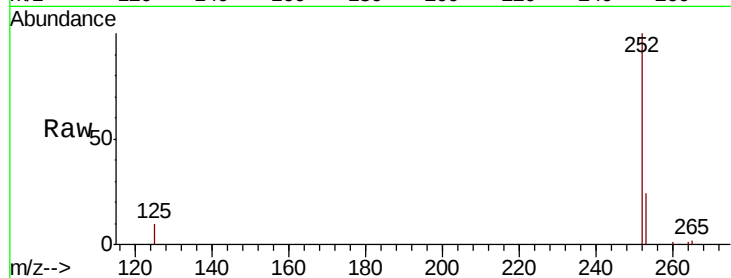
Tot Ion:252 Resp: 227354

Ion Ratio Lower Upper

252 100

253 23.8 18.2 27.2

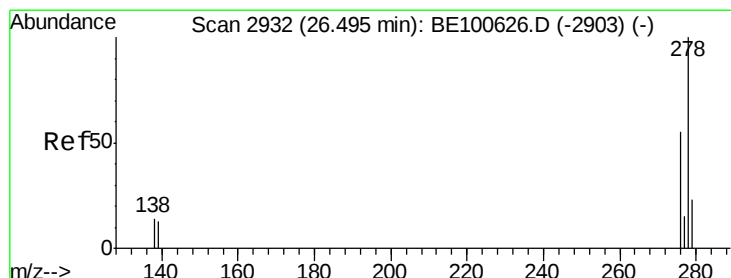
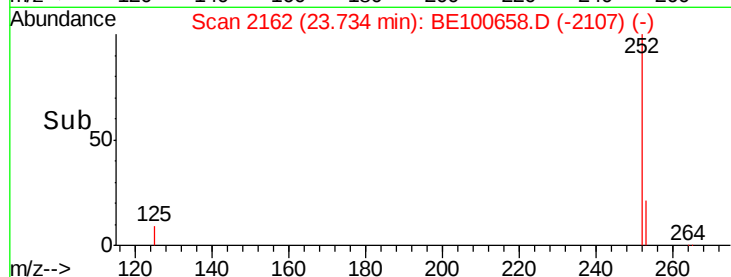
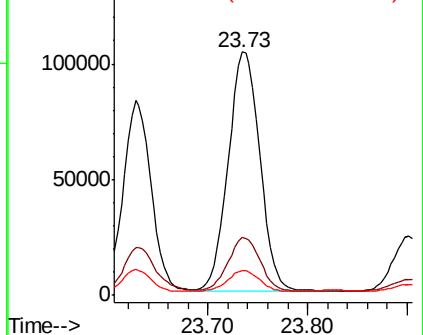
125 10.1 8.1 12.1



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: 0.338 ng

RT: 26.48 min Scan# 2927

Delta R.T. -0.02 min

Lab File: BE100658.D

Acq: 18 Oct 2019 16:49

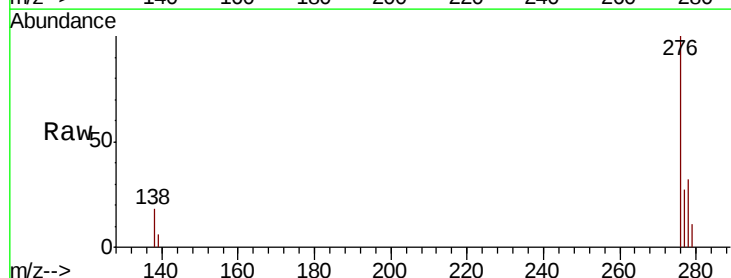
Tgt Ion:278 Resp: 40693

Ion Ratio Lower Upper

278 100

139 17.4 11.2 16.8#

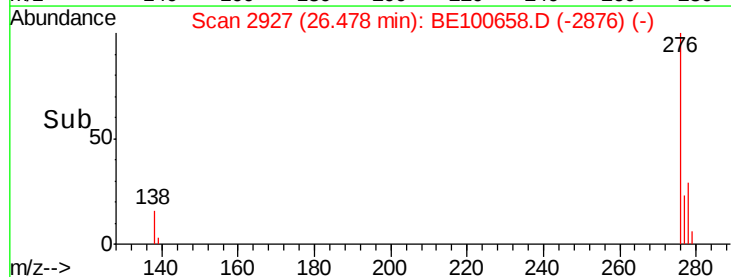
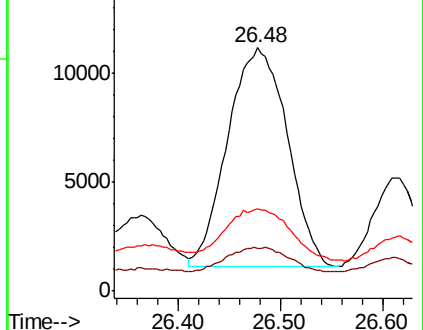
279 33.8 19.0 28.6#

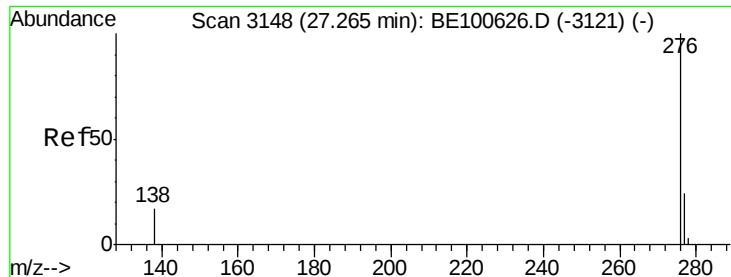


Abundance Ion 278.00 (277.70 to 278.70): E

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: 1.373 ng

RT: 27.27 min Scan# 3148

Delta R.T. 0.00 min

Lab File: BE100658.D

Acq: 18 Oct 2019 16:49

Instrument :

BNA\_F

ClientSampleId :

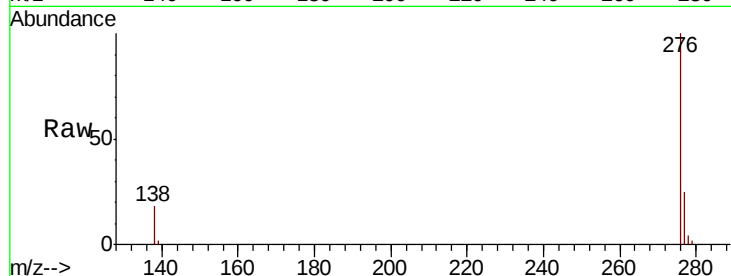
Tot Ion: 276 Resp: 166242

Ion Ratio Lower Upper

276 100

277 24.7 19.3 28.9

138 18.0 14.5 21.7



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

