

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070319\  
 Data File : BE100325.D  
 Acq On : 3 Jul 2019 12:56  
 Operator : JU/SJ  
 Sample : K3505-01DL 10X  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Jul 04 00:35:13 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 28 14:06:53 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.65  | 152  | 439      | 0.40 | ng    | 0.01     |
| 7) Naphthalene-d8         | 10.45 | 136  | 1895     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.31 | 164  | 1738     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.05 | 188  | 5424     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.24 | 240  | 7524     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.67 | 264  | 8716     | 0.40 | ng    | 0.00     |

|                             |       |     |      |      |    |       |
|-----------------------------|-------|-----|------|------|----|-------|
| System Monitoring Compounds |       |     |      |      |    |       |
| 4) 2-Fluorophenol           | 5.19  | 112 | 14   | 0.01 | ng | -0.02 |
| 5) Phenol-d6                | 6.80  | 99  | 8    | 0.01 | ng | -0.04 |
| 8) Nitrobenzene-d5          | 8.87  | 82  | 15   | 0.01 | ng | 0.05  |
| 11) 2-Methylnaphthalene-d10 | 12.05 | 152 | 102  | 0.03 | ng | 0.00  |
| 14) 2,4,6-Tribromophenol    | 15.86 | 330 | 10   | 0.01 | ng | 0.04  |
| 15) 2-Fluorobiphenyl        | 12.94 | 172 | 164  | 0.02 | ng | 0.00  |
| 25) Fluoranthene-d10        | 19.09 | 212 | 1553 | 0.02 | ng | 0.00  |
| 29) Terphenyl-d14           | 19.69 | 244 | 2028 | 0.13 | ng | 0.00  |

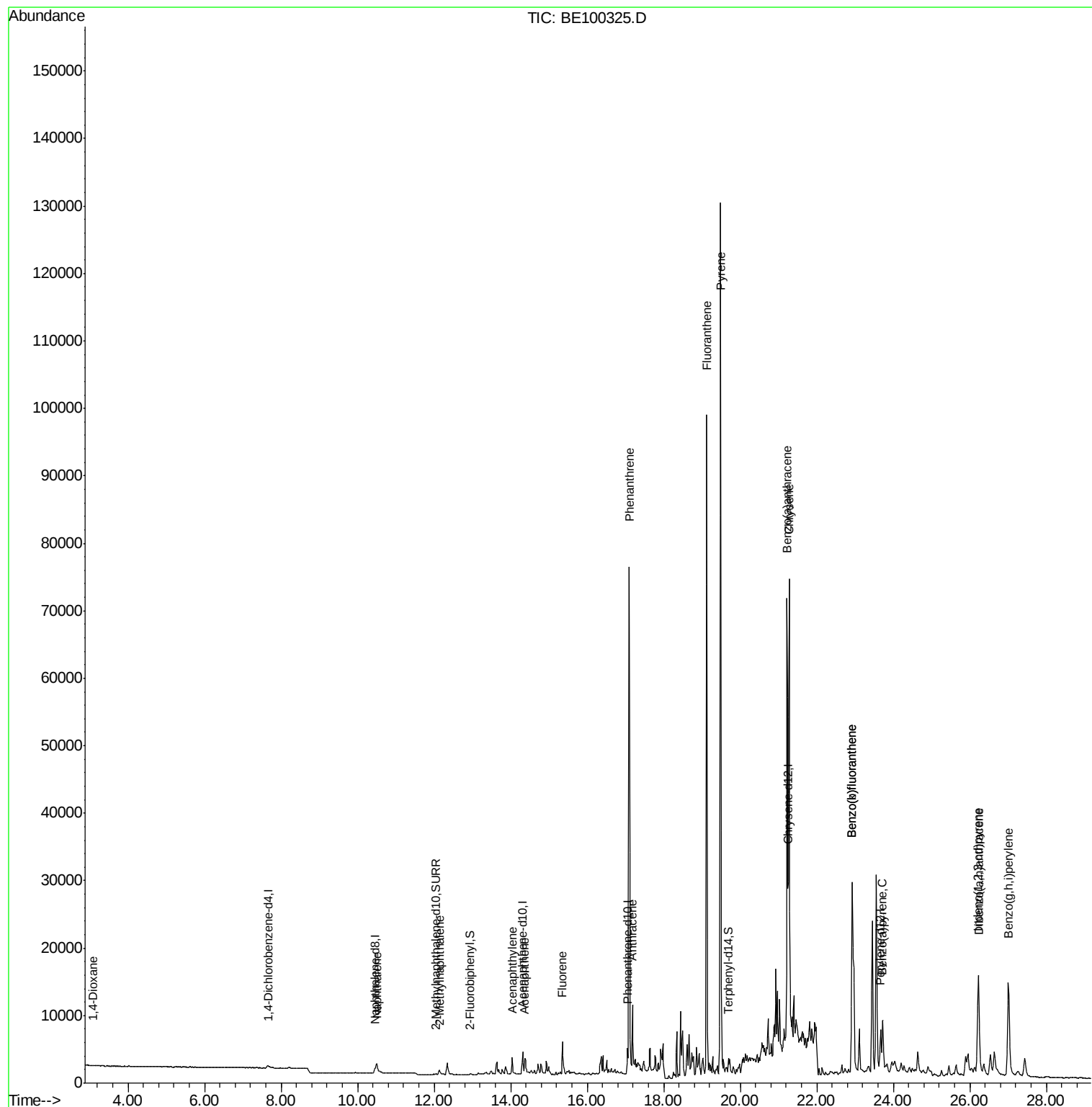
|                                |       |     |        |           |    |      |
|--------------------------------|-------|-----|--------|-----------|----|------|
| Target Compounds               |       |     |        | Qvalue    |    |      |
| 2) 1,4-Dioxane                 | 3.08  | 88  | 35     | 0.051     | ng | # 24 |
| 9) Naphthalene                 | 10.50 | 128 | 4243   | 0.203     | ng | # 93 |
| 12) 2-Methylnaphthalene        | 12.14 | 142 | 851    | 0.232     | ng | 97   |
| 16) Acenaphthylene             | 14.04 | 152 | 3184   | 0.382     | ng | 97   |
| 17) Acenaphthene               | 14.37 | 154 | 1426   | 0.302     | ng | 97   |
| 18) Fluorene                   | 15.35 | 166 | 4534   | 0.649     | ng | 96   |
| 23) Phenanthrene               | 17.09 | 178 | 78516  | 5.973     | ng | 100  |
| 24) Anthracene                 | 17.19 | 178 | 10758  | 0.909     | ng | # 96 |
| 26) Fluoranthene               | 19.12 | 202 | 94168  | 4.497     | ng | 99   |
| 28) Pvrene                     | 19.48 | 202 | 128124 | 6.432     | ng | 96   |
| 30) Benzo(a)anthracene         | 21.22 | 228 | 63152  | 2.553     | ng | 98   |
| 31) Chrysene                   | 21.28 | 228 | 69977  | 2.817     | ng | 98   |
| 32) Bis(2-ethylhexyl)phthalate | 21.15 | 149 | 1492   | Below Cal |    | # 90 |
| 33) Indeno(1,2,3-cd)pyrene     | 26.22 | 276 | 31027  | 0.944     | ng | # 97 |
| 35) Benzo(b)fluoranthene       | 22.93 | 252 | 58533  | 2.477     | ng | # 96 |
| 36) Benzo(k)fluoranthene       | 22.93 | 252 | 58533  | 2.219     | ng | 98   |
| 37) Benzo(a)pvrene             | 23.72 | 252 | 9476   | 0.400     | ng | 95   |
| 38) Dibenzo(a,h)anthracene     | 26.24 | 278 | 7766   | 0.314     | ng | # 87 |
| 39) Benzo(g,h,i)perylene       | 27.01 | 276 | 36164  | 1.423     | ng | 99   |

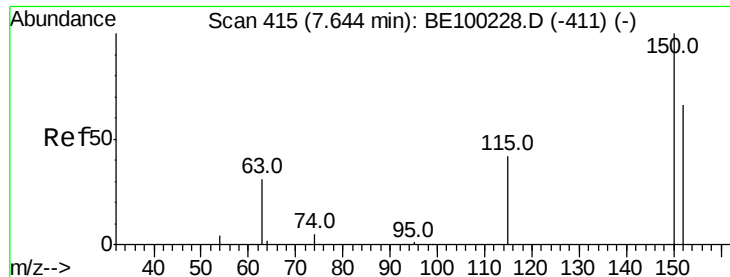
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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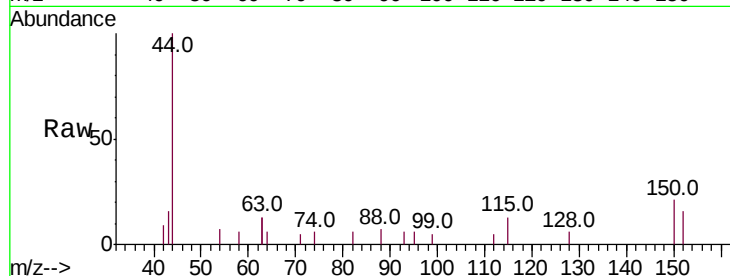


#1

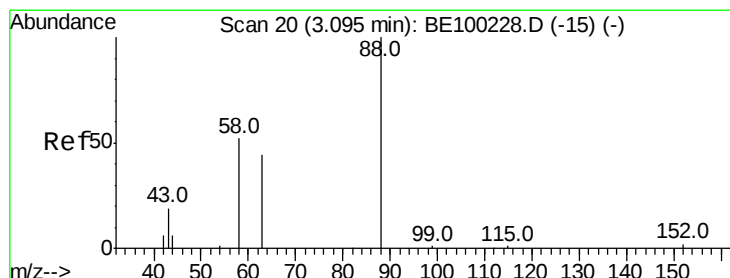
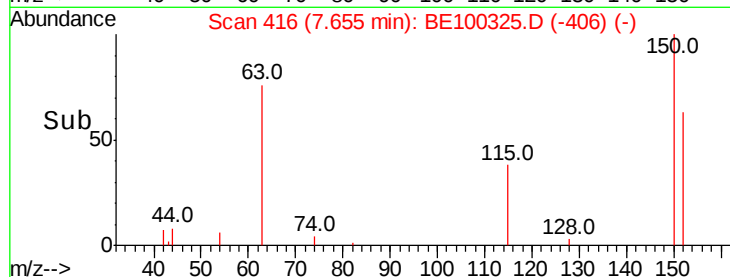
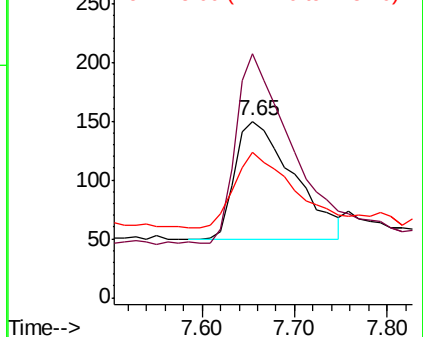
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.65 min Scan# 416  
Delta R.T. 0.01 min  
Lab File: BE100325.D  
Acq: 3 Jul 2019 12:56

Instrument :  
BNA\_E  
ClientSampled :

Tot Ion:152 Resp: 439  
Ion Ratio Lower Upper  
152 100  
150 138.0 114.5 171.7  
115 82.7 57.1 85.7



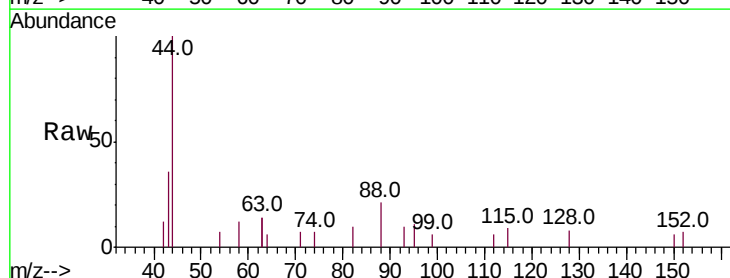
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



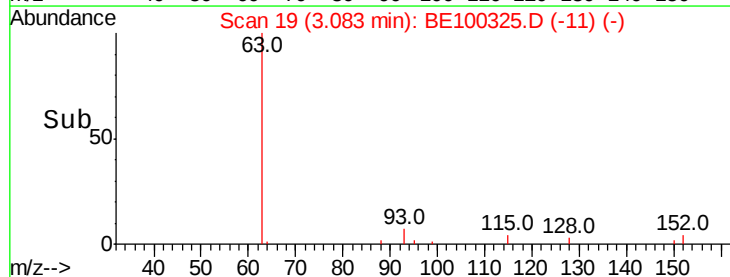
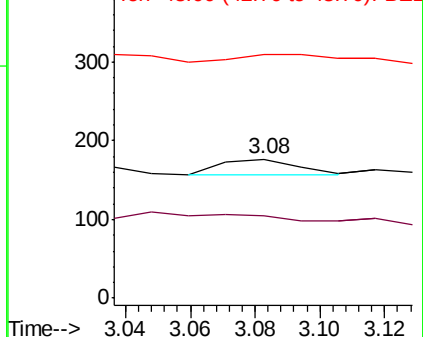
#2

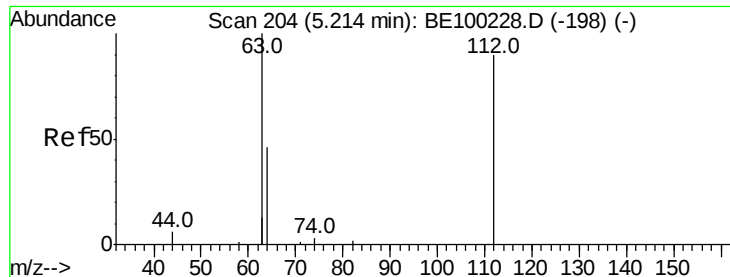
1,4-Dioxane  
Concen: 0.051 ng  
RT: 3.08 min Scan# 19  
Delta R.T. -0.01 min  
Lab File: BE100325.D  
Acq: 3 Jul 2019 12:56

Tgt Ion: 88 Resp: 35  
Ion Ratio Lower Upper  
88 100  
58 0.0 43.6 65.4#  
43 65.7 21.4 32.0#



Abundance Ion 88.00 (87.70 to 88.70): BE1  
Ion 58.00 (57.70 to 58.70): BE1  
Ion 43.00 (42.70 to 43.70): BE1





#4

2-Fluorophenol

Concen: 0.013 ng

RT: 5.19 min Scan# 202

Delta R.T. -0.02 min

Lab File: BE100325.D

Acq: 3 Jul 2019 12:56

Instrument :

BNA\_E

ClientSampleId :

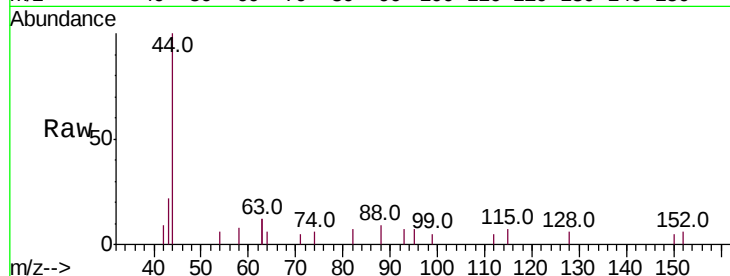
Tot Ion:112 Resp: 14

Ion Ratio Lower Upper

112 100

64 121.4 39.4 59.0#

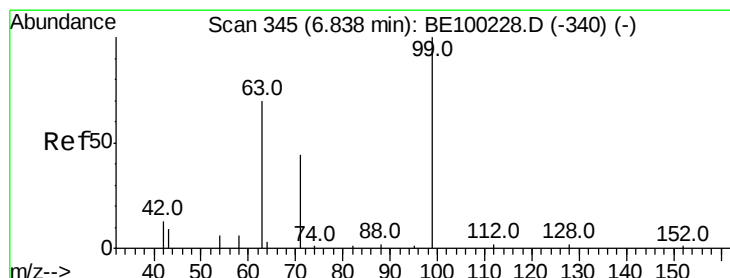
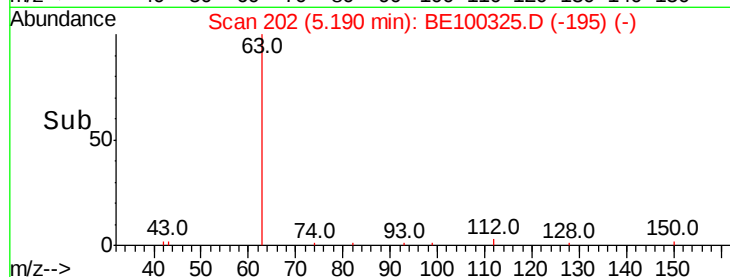
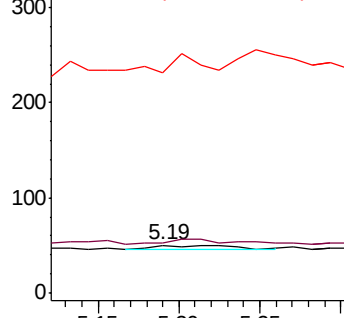
63 128.6 104.5 156.7



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: 0.005 ng

RT: 6.80 min Scan# 342

Delta R.T. -0.04 min

Lab File: BE100325.D

Acq: 3 Jul 2019 12:56

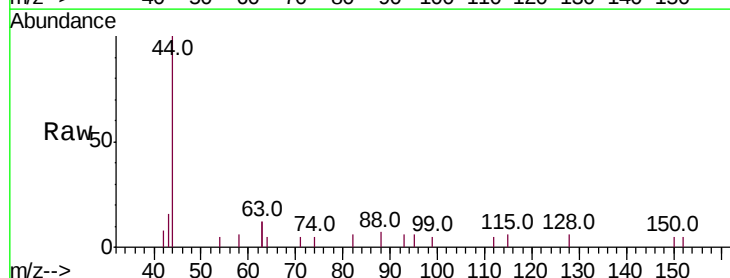
Tgt Ion: 99 Resp: 8

Ion Ratio Lower Upper

99 100

42 212.5 11.2 16.8#

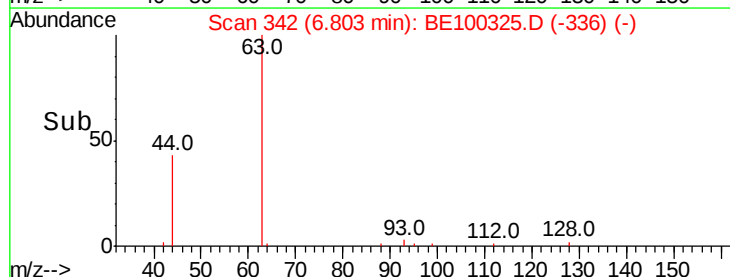
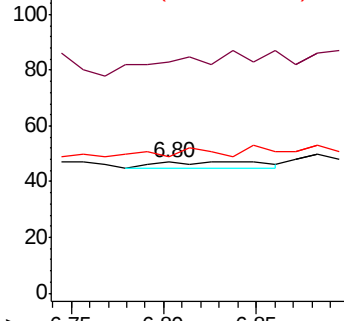
71 75.0 37.2 55.8#

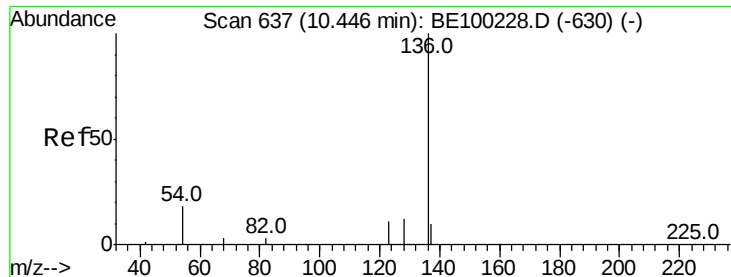


Abundance Ion 99.00 (98.70 to 99.70): BE1

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: 10.45 min Scan# 637

Delta R.T. 0.00 min

Lab File: BE100325.D

Acq: 3 Jul 2019 12:56

Instrument :

BNA\_E

ClientSampleId :

Tot Ion:136 Resp: 1895

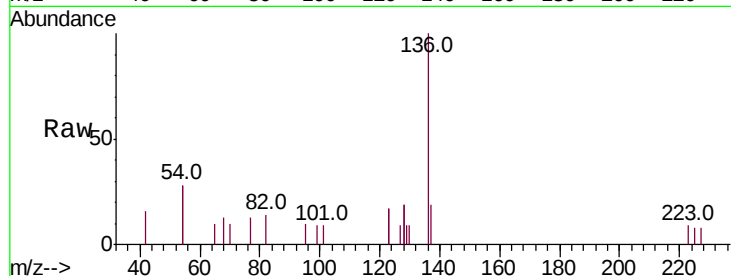
Ion Ratio Lower Upper

136 100

137 18.6 11.8 17.8#

54 56.3 27.7 41.5#

68 13.2 6.8 10.2#



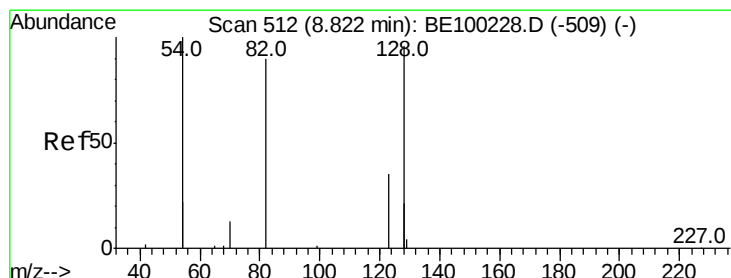
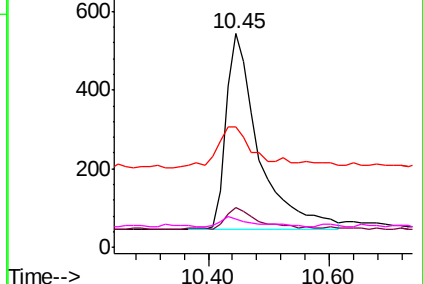
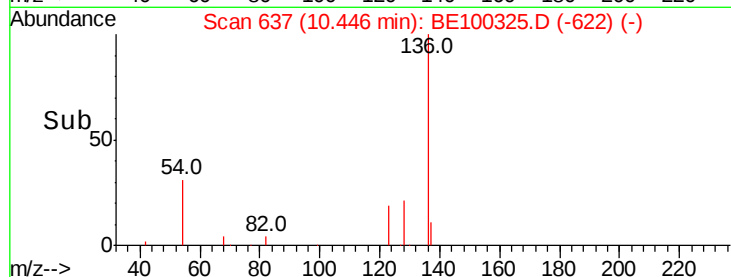
Abundance

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: 0.008 ng

RT: 8.87 min Scan# 516

Delta R.T. 0.05 min

Lab File: BE100325.D

Acq: 3 Jul 2019 12:56

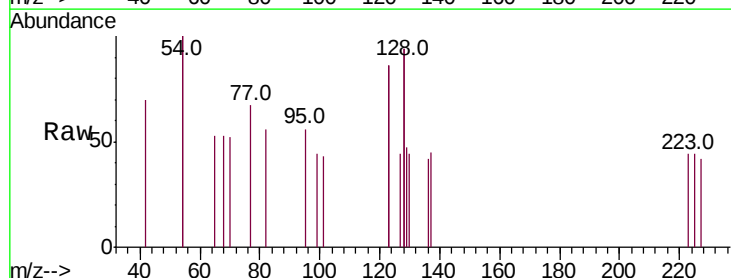
Tgt Ion: 82 Resp: 15

Ion Ratio Lower Upper

82 100

128 340.0 140.9 211.3#

54 360.0 146.2 219.2#

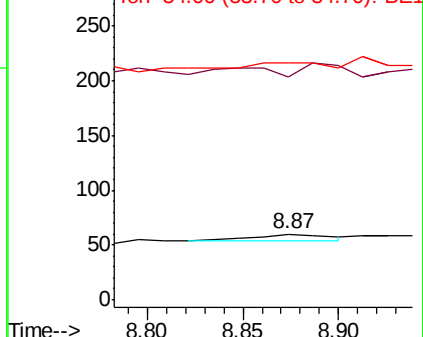
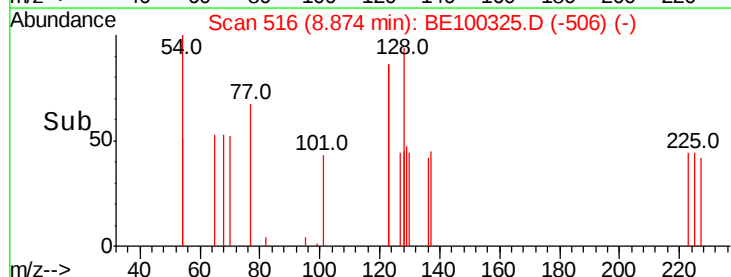


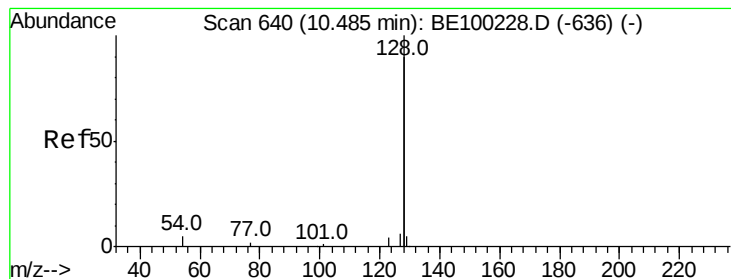
Abundance

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: 0.203 ng

RT: 10.50 min Scan# 641

Delta R.T. 0.01 min

Lab File: BE100325.D

Acq: 3 Jul 2019 12:56

Instrument :

BNA\_E

ClientSampleId :

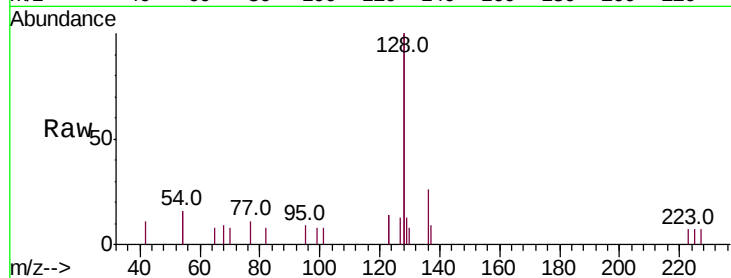
Tot Ion:128 Resp: 4243

Ion Ratio Lower Upper

128 100

129 6.4 3.0 4.6#

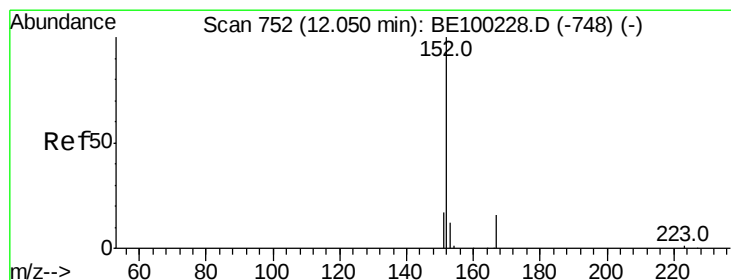
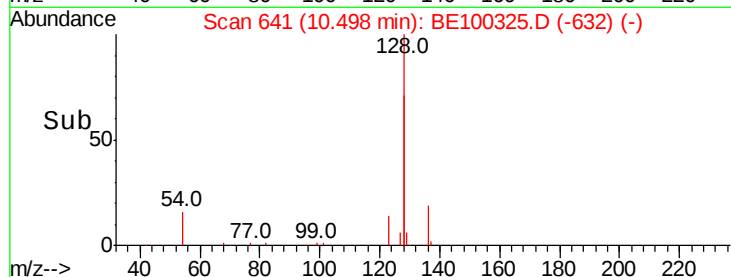
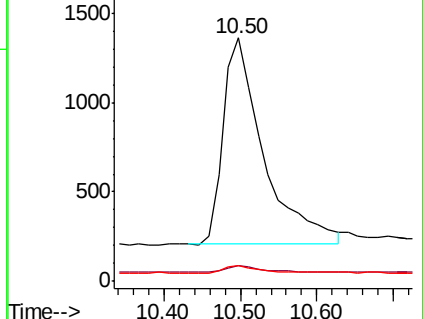
127 6.4 3.5 5.3#



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: 0.029 ng

RT: 12.05 min Scan# 752

Delta R.T. 0.00 min

Lab File: BE100325.D

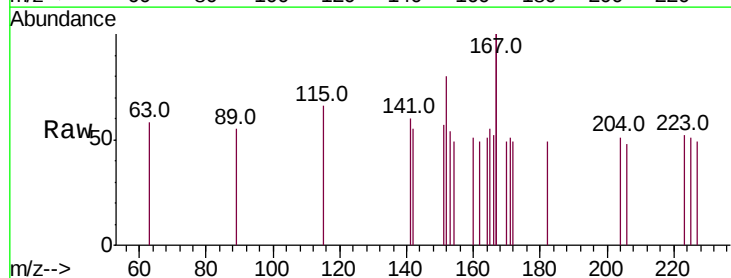
Acq: 3 Jul 2019 12:56

Tgt Ion:152 Resp: 102

Ion Ratio Lower Upper

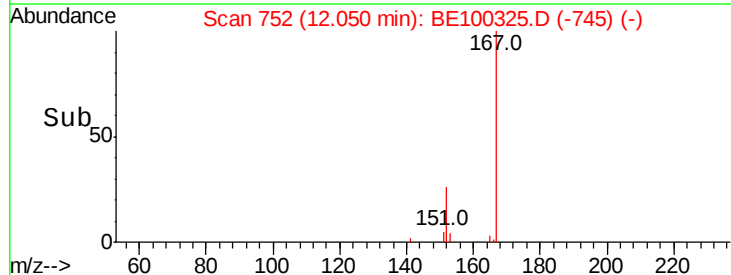
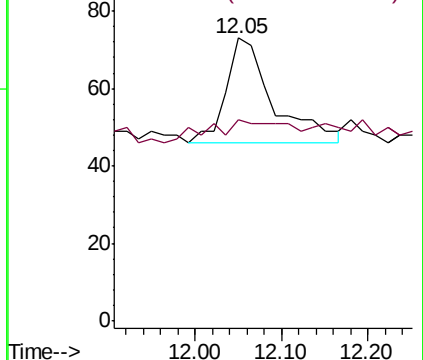
152 100

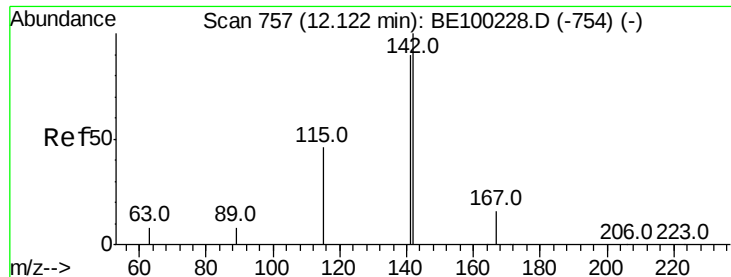
151 27.5 15.1 22.7#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

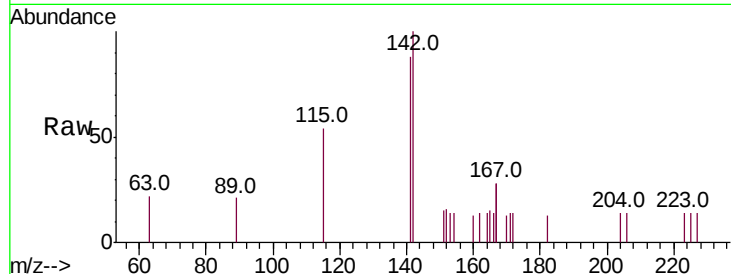




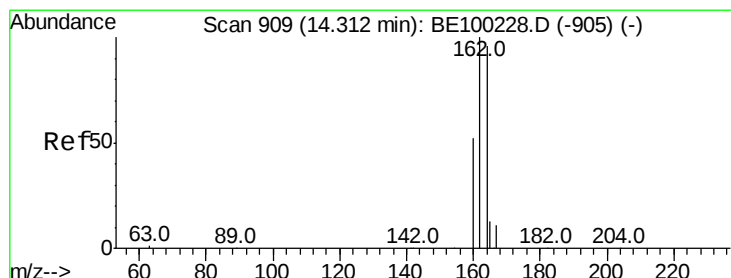
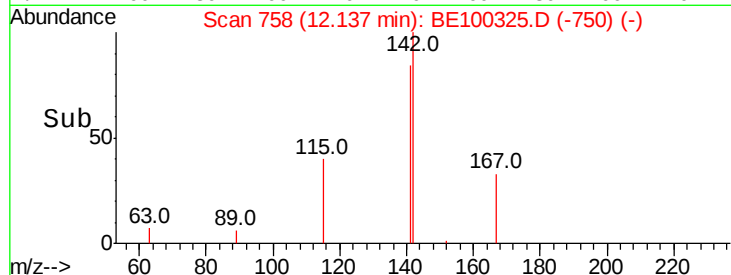
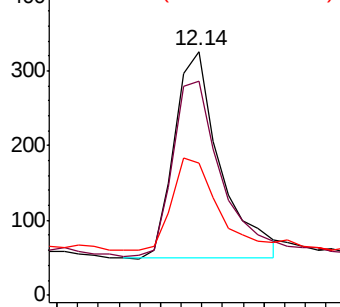
#12  
2-Methylnaphthalene  
Concen: 0.232 ng  
RT: 12.14 min Scan# 758  
Delta R.T. 0.01 min  
Lab File: BE100325.D  
Acq: 3 Jul 2019 12:56

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:142 Resp: 851  
Ion Ratio Lower Upper  
142 100  
141 88.0 72.4 108.6  
115 54.0 40.4 60.6

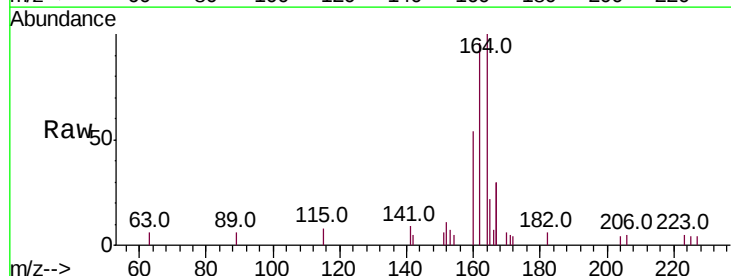


Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E

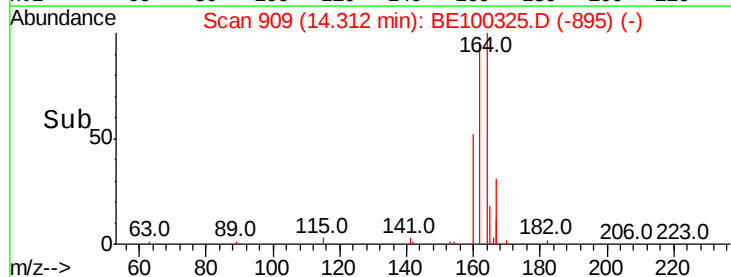
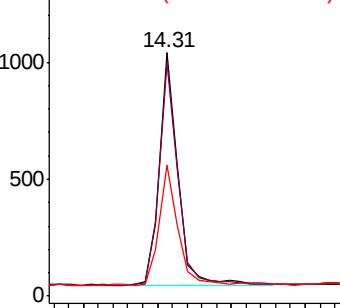


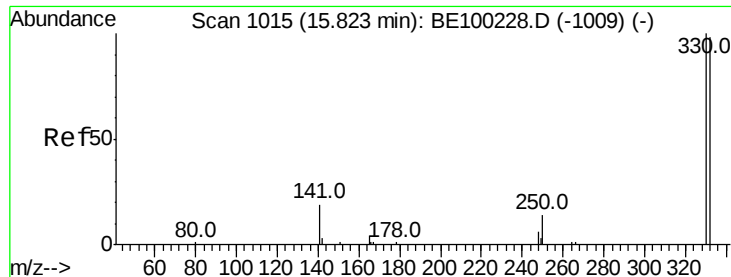
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.31 min Scan# 909  
Delta R.T. 0.00 min  
Lab File: BE100325.D  
Acq: 3 Jul 2019 12:56

Tgt Ion:164 Resp: 1738  
Ion Ratio Lower Upper  
164 100  
162 96.0 83.4 125.0  
160 53.8 45.0 67.6



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: 0.008 ng

RT: 15.86 min Scan# 1018

Delta R.T. 0.04 min

Lab File: BE100325.D

Acq: 3 Jul 2019 12:56

Instrument :

BNA\_E

ClientSampled :

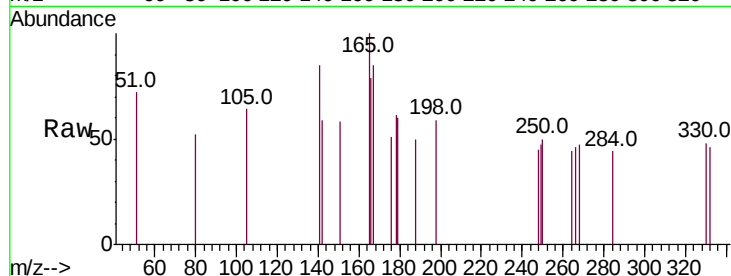
Tot Ion:330 Resp: 10

Ion Ratio Lower Upper

330 100

332 200.0 77.0 115.4#

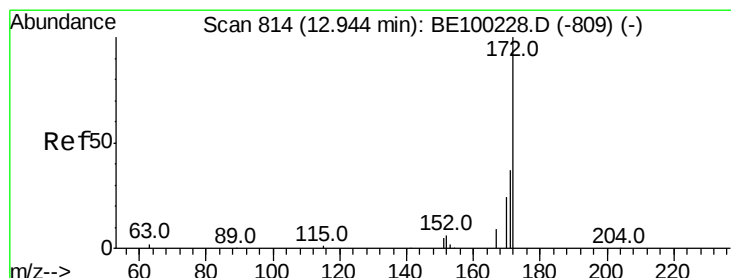
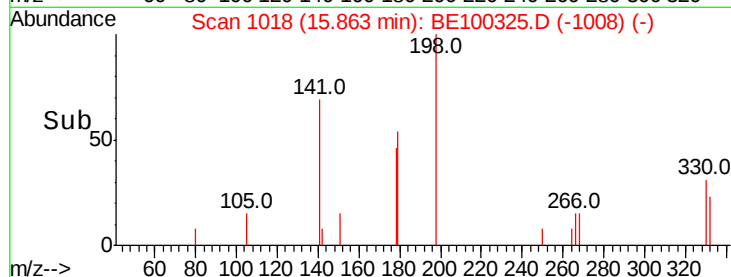
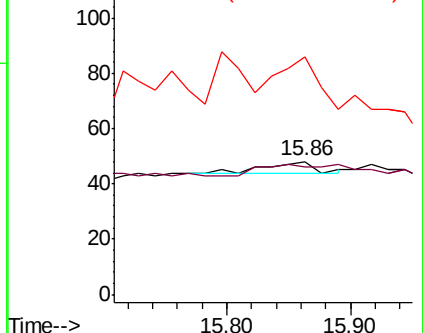
141 760.0 22.0 33.0#



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: 0.024 ng

RT: 12.94 min Scan# 814

Delta R.T. 0.00 min

Lab File: BE100325.D

Acq: 3 Jul 2019 12:56

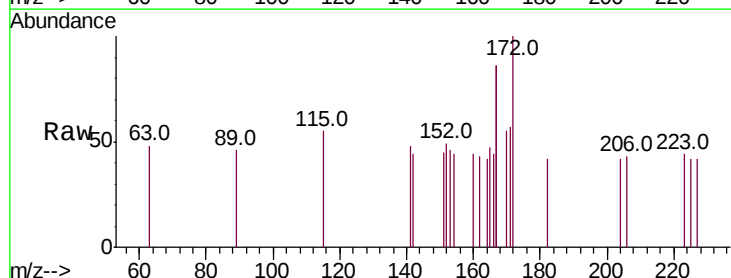
Tgt Ion:172 Resp: 164

Ion Ratio Lower Upper

172 100

171 56.6 31.9 47.9#

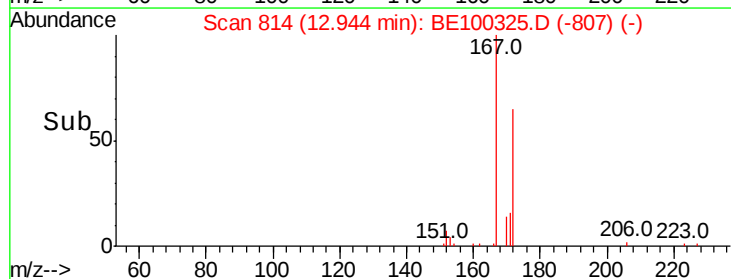
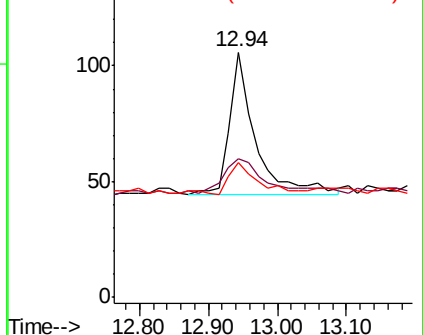
170 54.7 22.2 33.2#

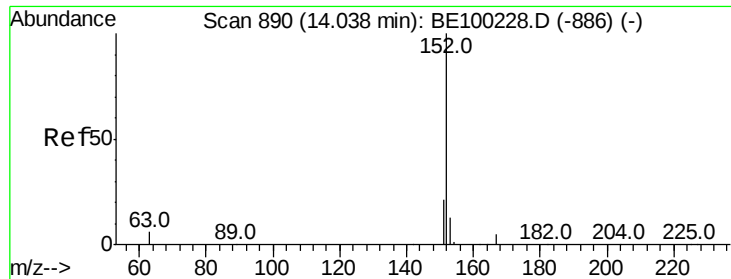


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

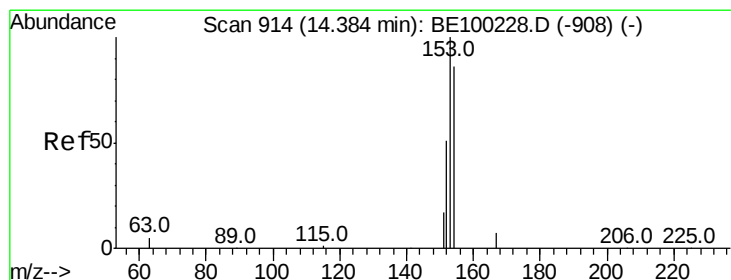
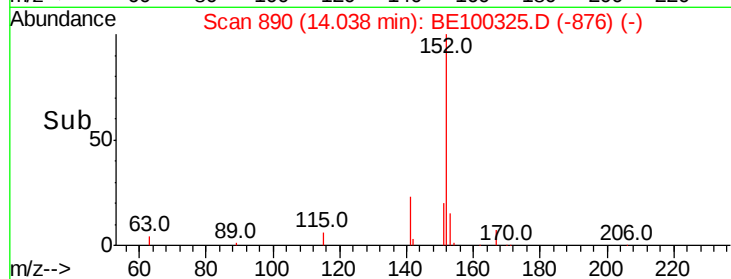
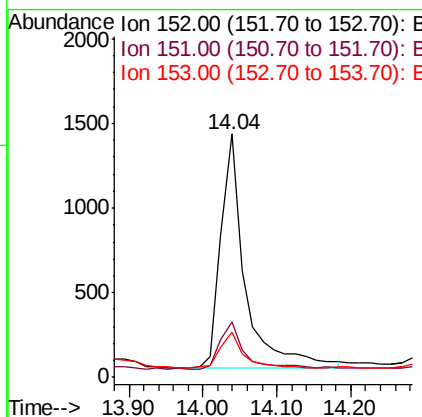
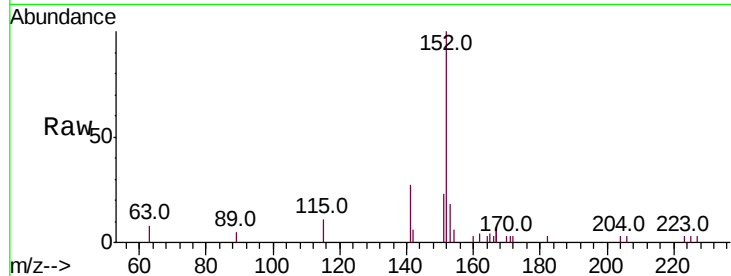




#16  
Acenaphthylene  
Concen: 0.382 ng  
RT: 14.04 min Scan# 890  
Delta R.T. 0.00 min  
Lab File: BE100325.D  
Acq: 3 Jul 2019 12:56

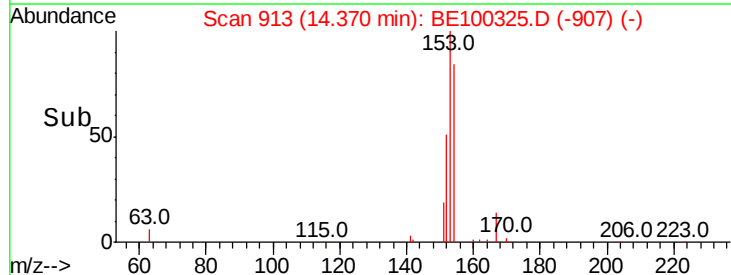
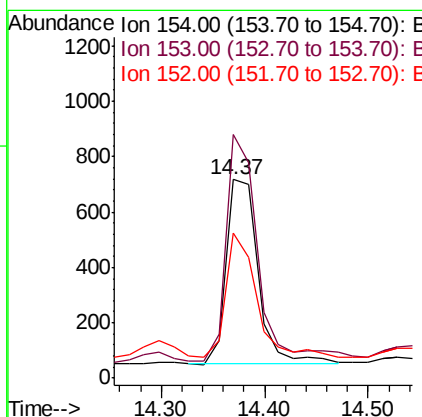
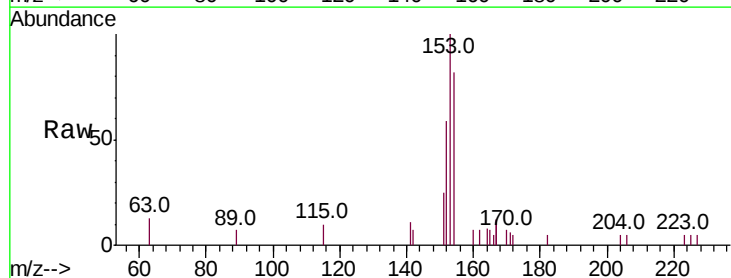
Instrument :  
BNA\_E  
ClientSampleId :

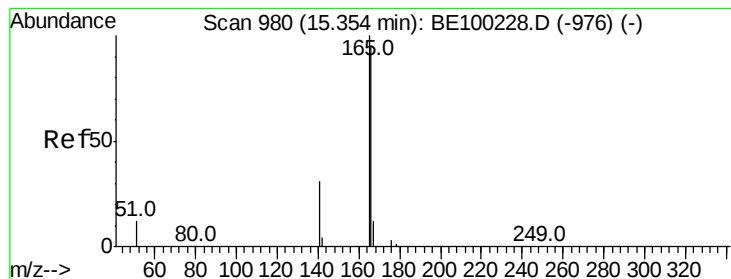
Tot Ion:152 Resp: 3184  
Ion Ratio Lower Upper  
152 100  
151 20.1 16.6 25.0  
153 15.6 10.5 15.7



#17  
Acenaphthene  
Concen: 0.302 ng  
RT: 14.37 min Scan# 913  
Delta R.T. -0.01 min  
Lab File: BE100325.D  
Acq: 3 Jul 2019 12:56

Tgt Ion:154 Resp: 1426  
Ion Ratio Lower Upper  
154 100  
153 121.2 93.4 140.2  
152 63.7 49.4 74.2





#18

Fluorene

Concen: 0.649 ng

RT: 15.35 min Scan# 980

Delta R.T. -0.00 min

Lab File: BE100325.D

Acq: 3 Jul 2019 12:56

Instrument :

BNA\_E

ClientSampleId :

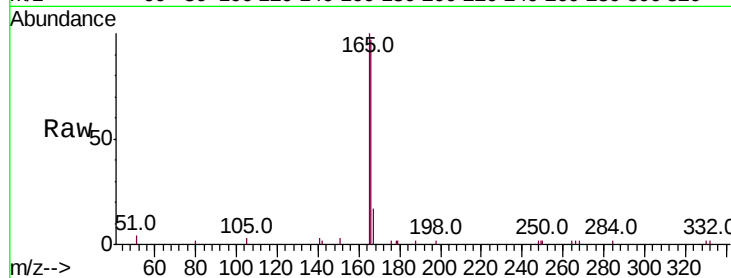
Tot Ion:166 Resp: 4534

Ion Ratio Lower Upper

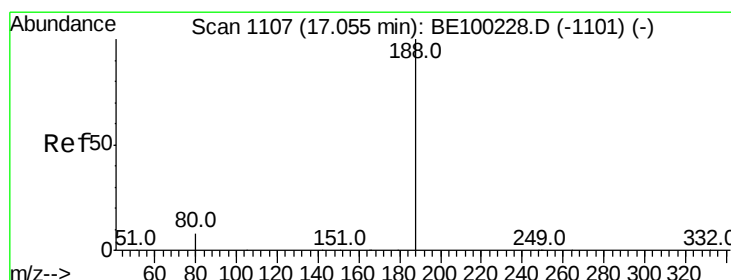
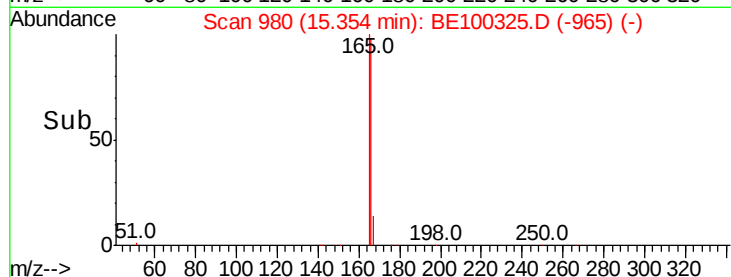
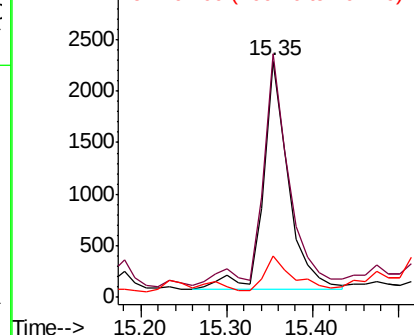
166 100

165 105.2 81.1 121.7

167 15.8 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: 17.05 min Scan# 1107

Delta R.T. -0.00 min

Lab File: BE100325.D

Acq: 3 Jul 2019 12:56

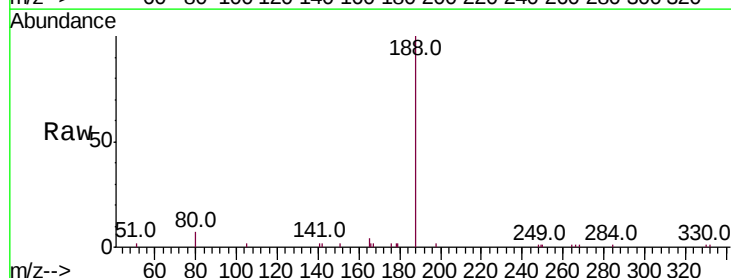
Tgt Ion:188 Resp: 5424

Ion Ratio Lower Upper

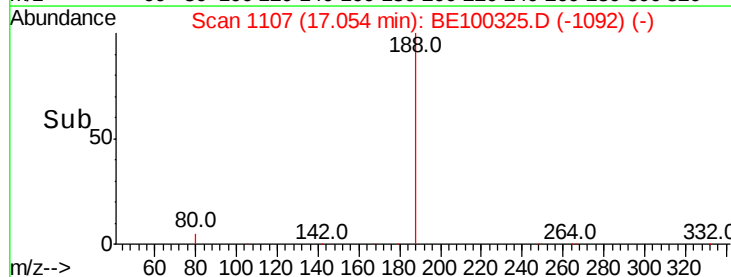
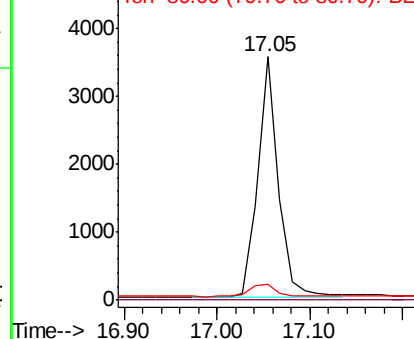
188 100

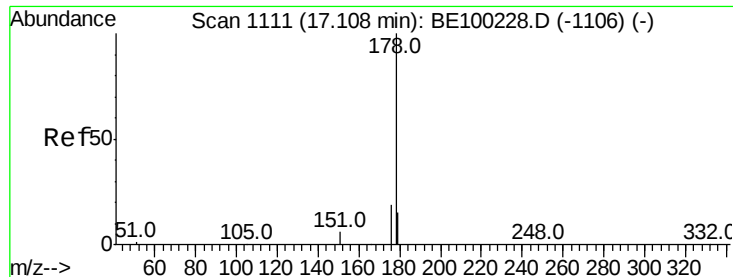
94 0.0 0.0 0.0

80 6.5 7.6 11.4#



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: 5.973 ng

RT: 17.09 min Scan# 1110

Delta R.T. -0.01 min

Lab File: BE100325.D

Acq: 3 Jul 2019 12:56

Instrument :

BNA\_E

ClientSampleId :

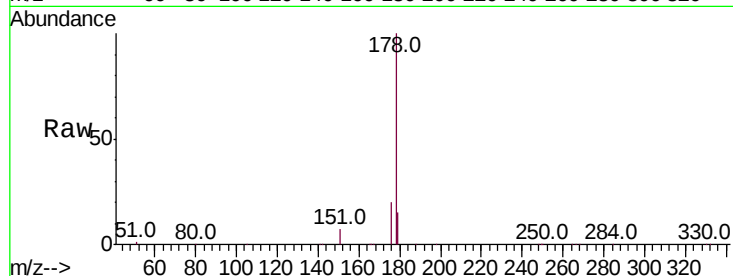
Tot Ion:178 Resp: 78516

Ion Ratio Lower Upper

178 100

176 19.9 15.9 23.9

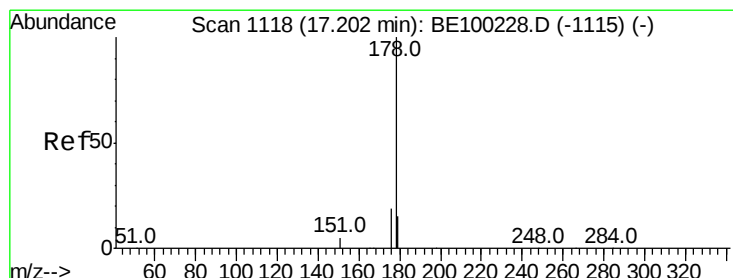
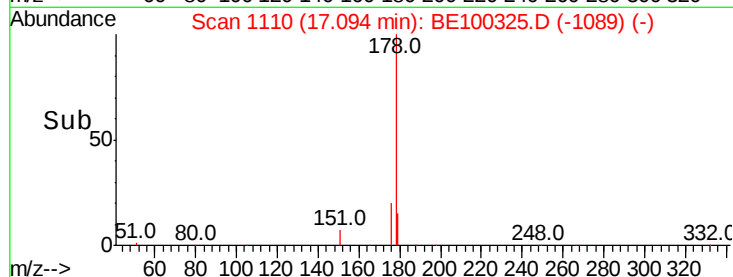
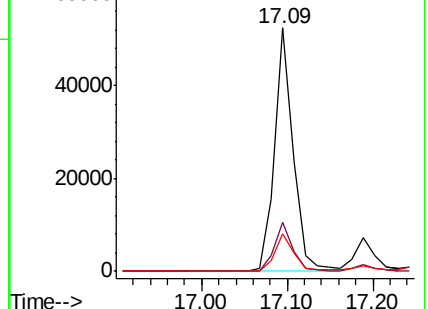
179 15.5 12.2 18.2



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: 0.909 ng

RT: 17.19 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BE100325.D

Acq: 3 Jul 2019 12:56

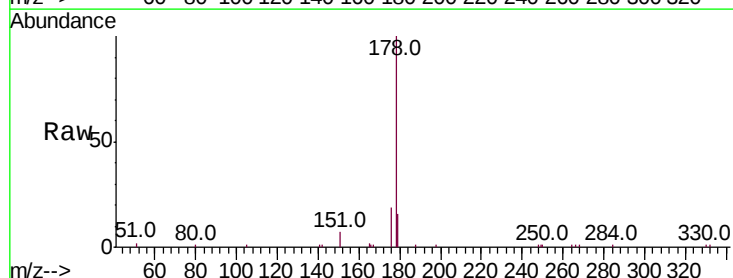
Tgt Ion:178 Resp: 10758

Ion Ratio Lower Upper

178 100

176 18.5 15.3 22.9

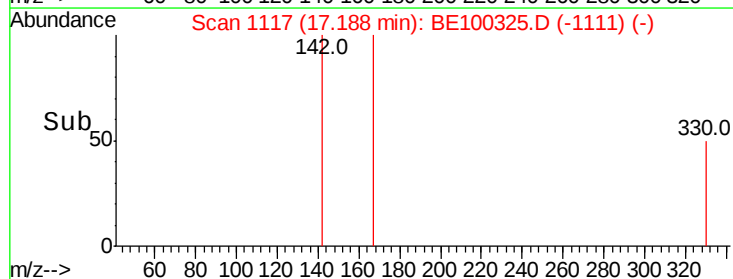
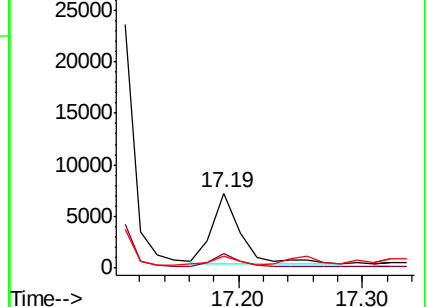
179 12.1 12.2 18.2#

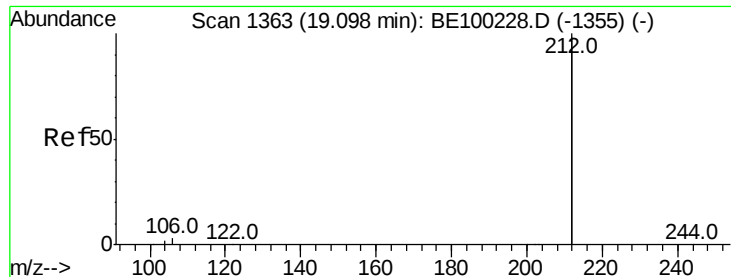


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.020 ng

RT: 19.09 min Scan# 1362

Delta R.T. -0.01 min

Lab File: BE100325.D

Acq: 3 Jul 2019 12:56

Instrument :

BNA\_E

ClientSampleId :

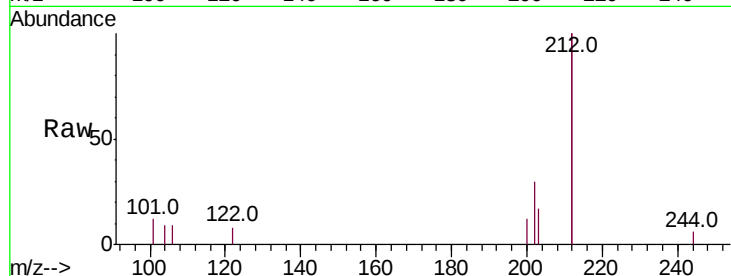
Tot Ion:212 Resp: 1553

Ion Ratio Lower Upper

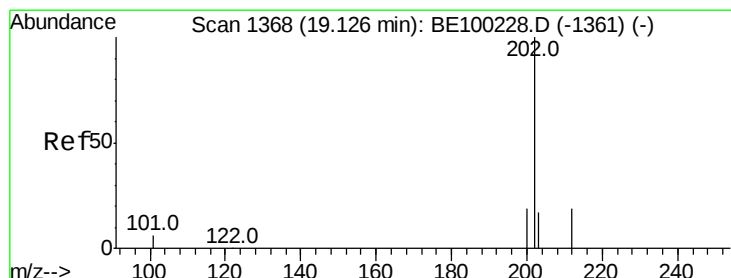
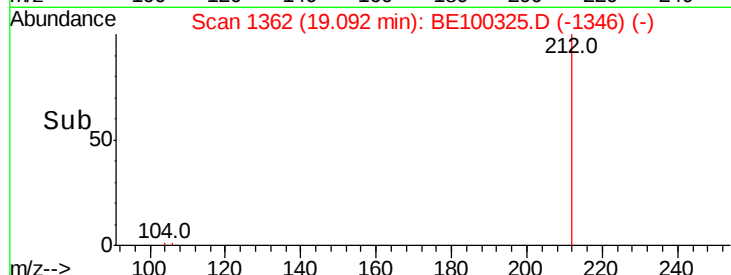
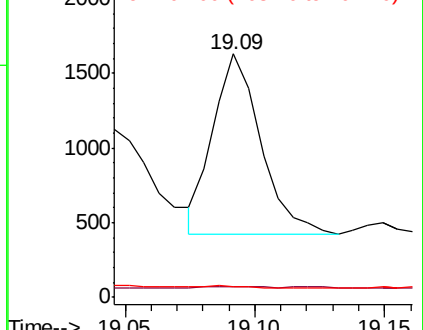
212 100

106 1.5 1.3 1.9

104 1.2 0.8 1.2



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: 4.497 ng

RT: 19.12 min Scan# 1367

Delta R.T. -0.01 min

Lab File: BE100325.D

Acq: 3 Jul 2019 12:56

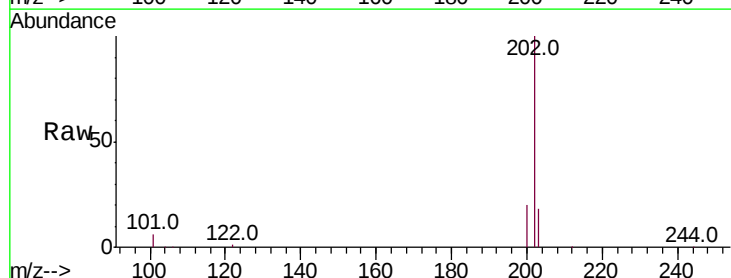
Tgt Ion:202 Resp: 94168

Ion Ratio Lower Upper

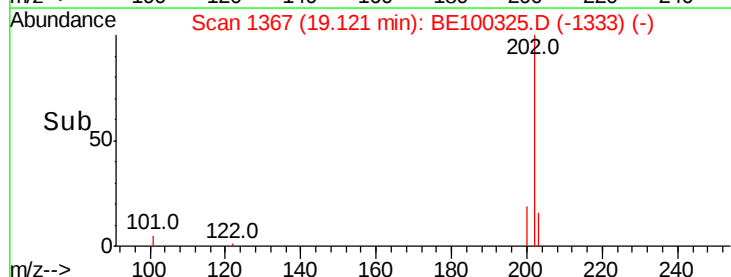
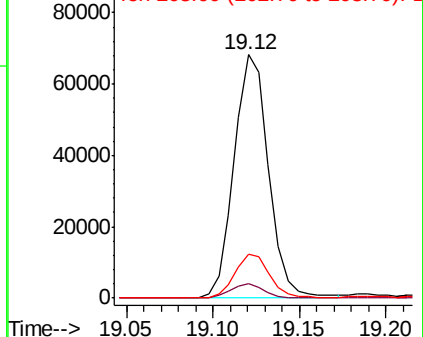
202 100

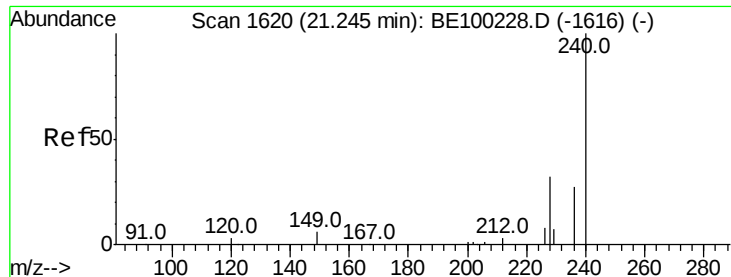
101 5.5 4.6 7.0

203 17.8 13.7 20.5



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: 21.24 min Scan# 1620

Delta R.T. 0.00 min

Lab File: BE100325.D

Acq: 3 Jul 2019 12:56

Instrument :

BNA\_E

ClientSampleId :

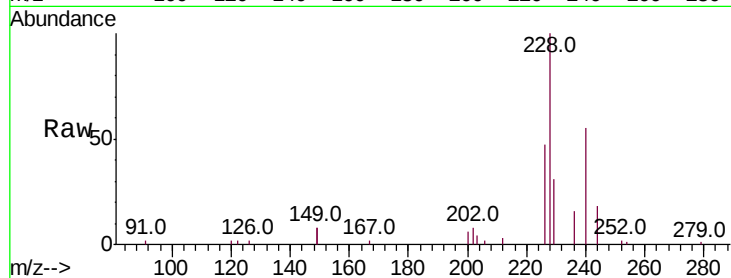
Tot Ion:240 Resp: 7524

Ion Ratio Lower Upper

240 100

120 4.3 3.3 4.9

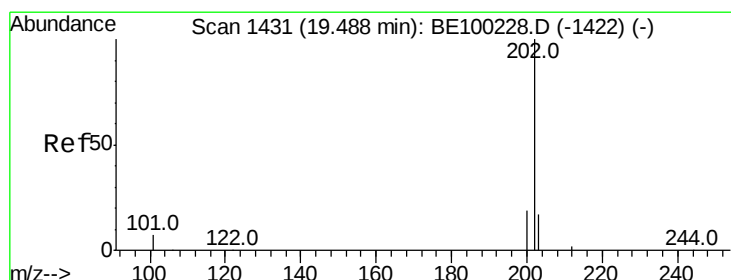
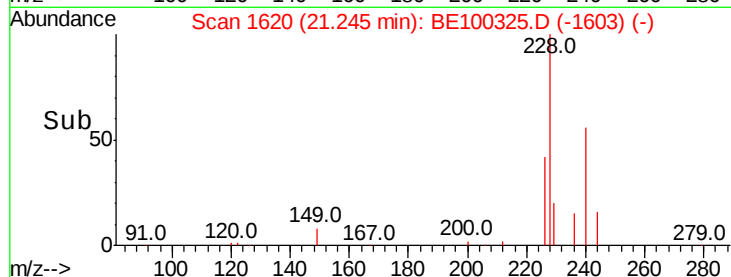
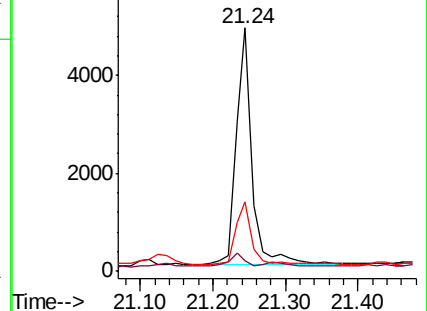
236 28.7 22.6 34.0



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 6.432 ng

RT: 19.48 min Scan# 1430

Delta R.T. -0.01 min

Lab File: BE100325.D

Acq: 3 Jul 2019 12:56

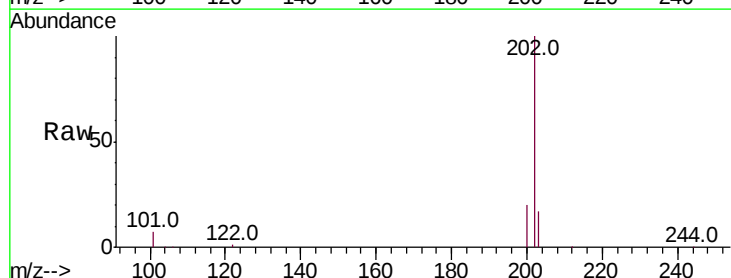
Tgt Ion:202 Resp: 128124

Ion Ratio Lower Upper

202 100

200 19.9 15.6 23.4

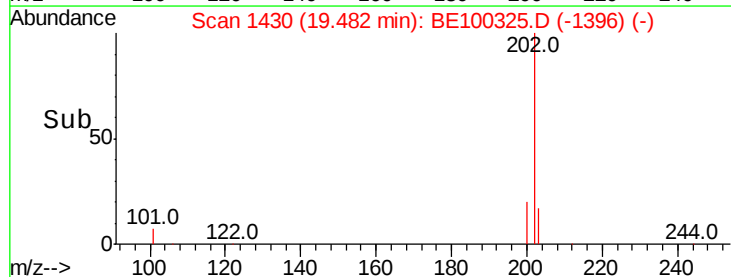
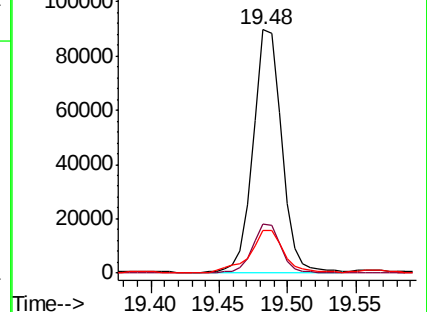
203 20.8 14.0 21.0

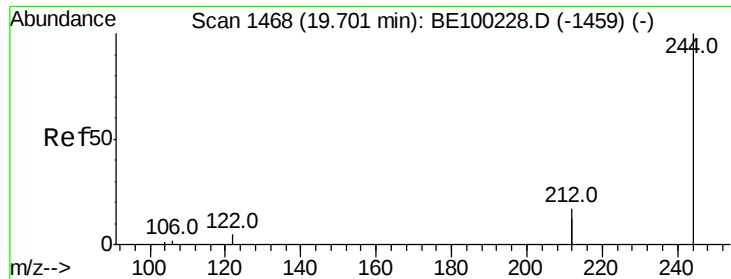


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.130 ng

RT: 19.69 min Scan# 1467

Delta R.T. -0.01 min

Lab File: BE100325.D

Acq: 3 Jul 2019 12:56

Instrument :

BNA\_E

ClientSampleId :

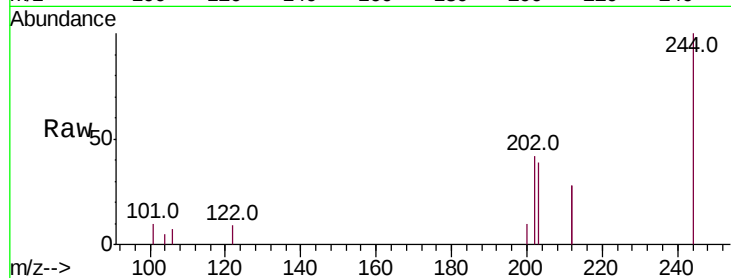
Tot Ion:244 Resp: 2028

Ion Ratio Lower Upper

244 100

212 56.0 27.3 40.9#

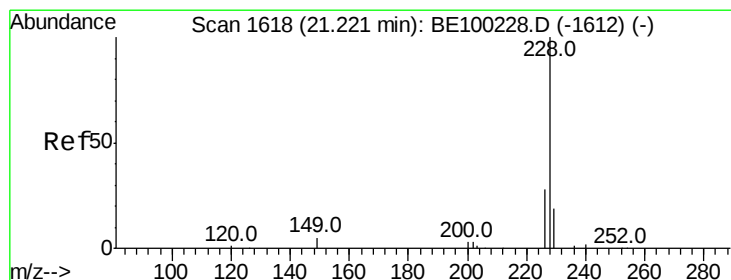
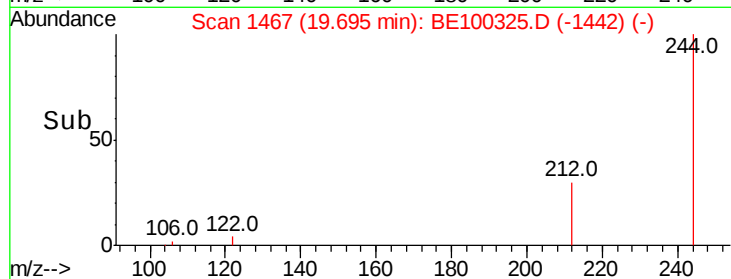
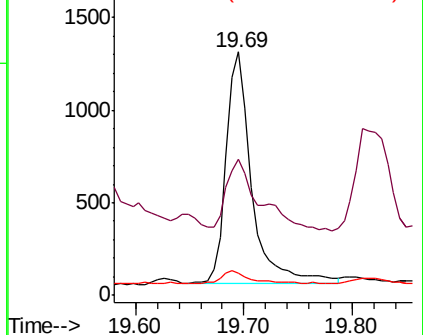
122 9.4 4.7 7.1#



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: 2.553 ng

RT: 21.22 min Scan# 1618

Delta R.T. 0.00 min

Lab File: BE100325.D

Acq: 3 Jul 2019 12:56

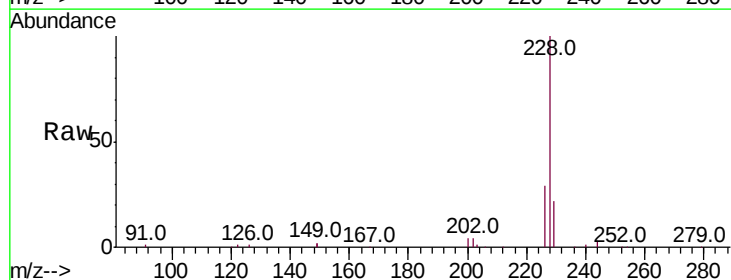
Tgt Ion:228 Resp: 63152

Ion Ratio Lower Upper

228 100

226 29.4 23.2 34.8

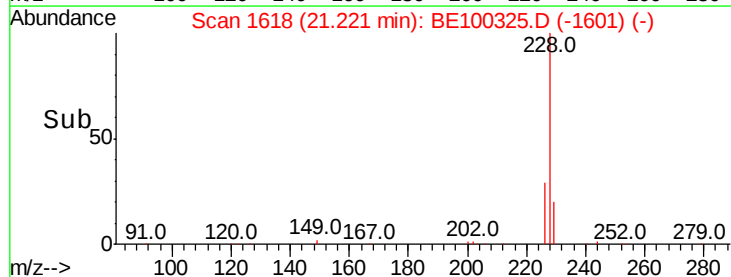
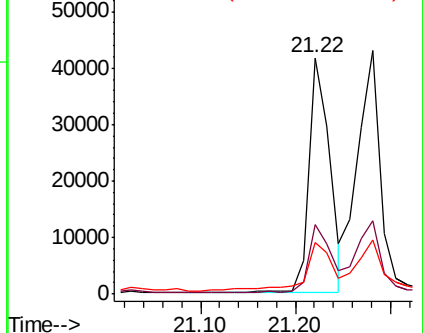
229 21.8 15.7 23.5

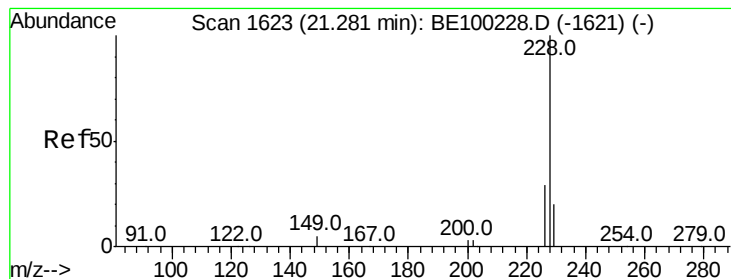


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 2.817 ng

RT: 21.28 min Scan# 1623

Delta R.T. 0.00 min

Lab File: BE100325.D

Acq: 3 Jul 2019 12:56

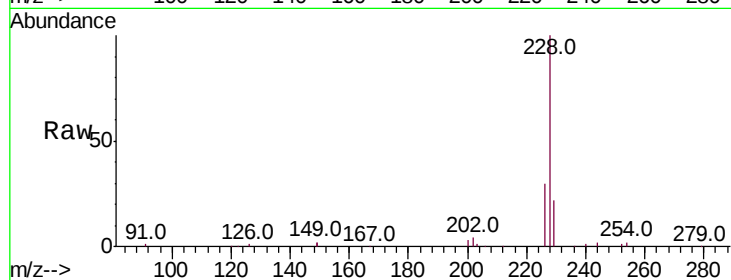
Instrument :

BNA\_E

ClientSampleId :

Tot Ion:228 Resp: 69977

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 30.4  | 23.9  | 35.9  |
| 229 | 22.1  | 16.5  | 24.7  |

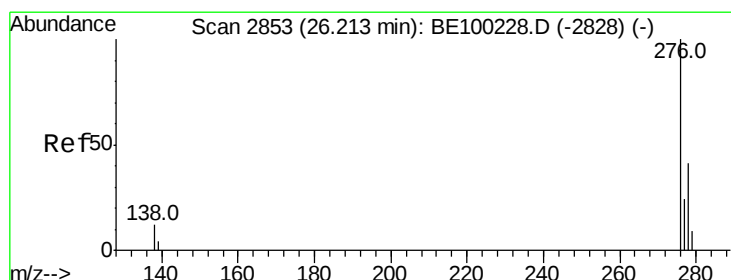
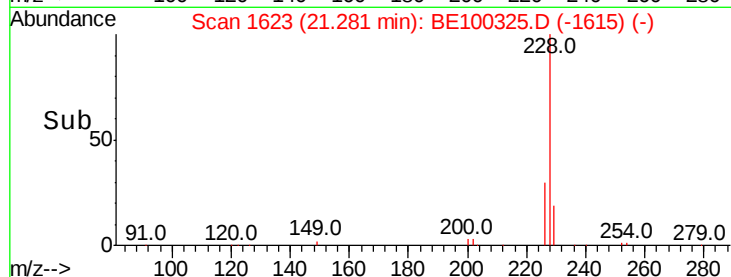
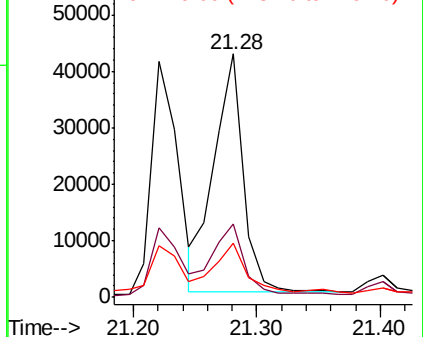


Abundance

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



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.944 ng

RT: 26.22 min Scan# 2854

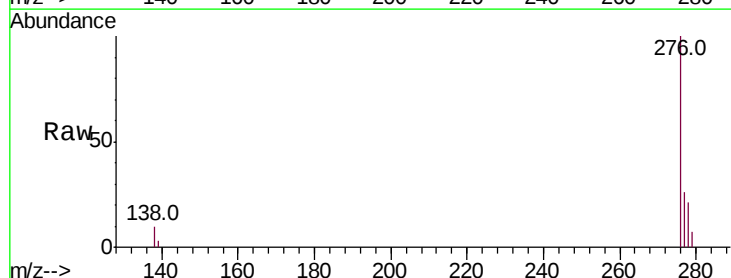
Delta R.T. 0.00 min

Lab File: BE100325.D

Acq: 3 Jul 2019 12:56

Tgt Ion:276 Resp: 31027

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 9.1   | 9.4   | 14.0# |
| 277 | 23.3  | 19.2  | 28.8  |

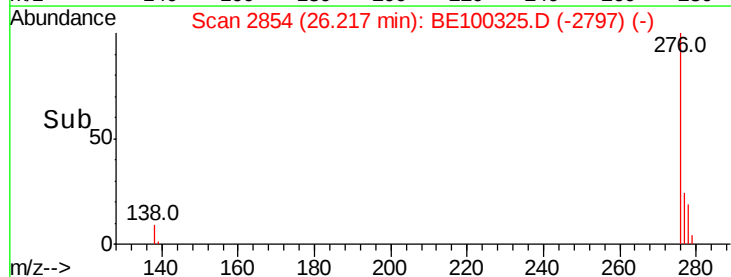
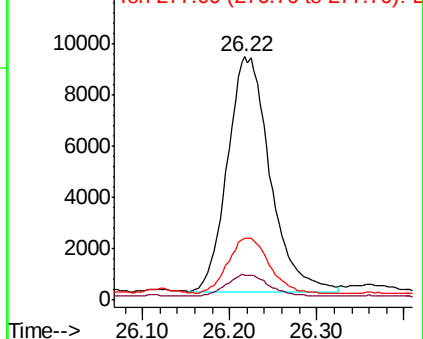


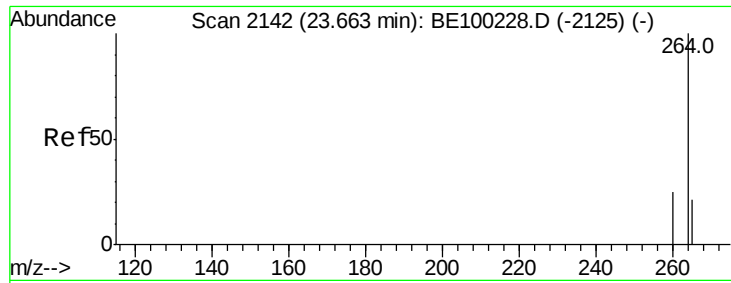
Abundance

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

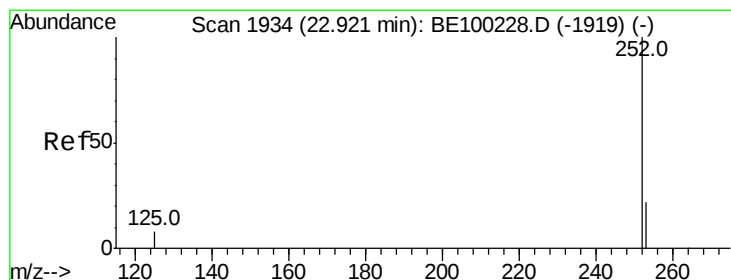
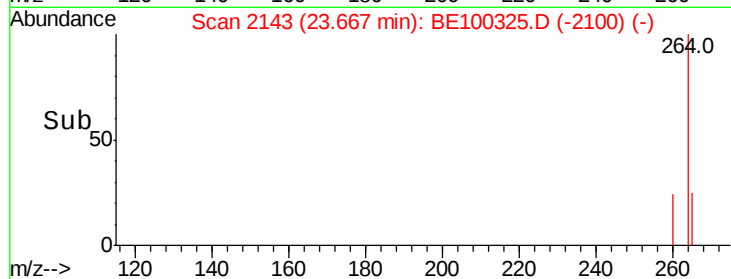
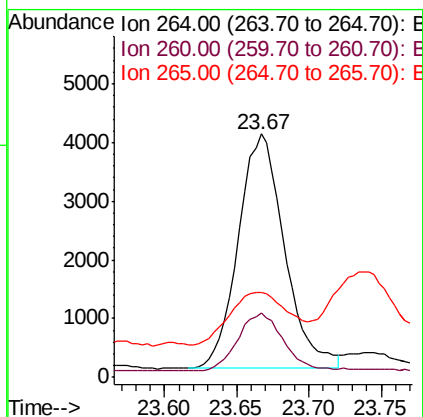
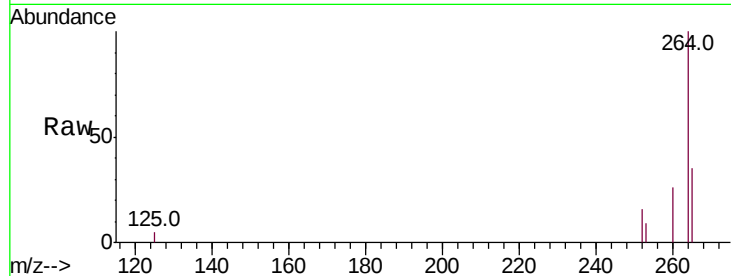




#34  
Pervlene-d12  
Concen: 0.400 ng  
RT: 23.67 min Scan# 2143  
Delta R.T. 0.00 min  
Lab File: BE100325.D  
Acq: 3 Jul 2019 12:56

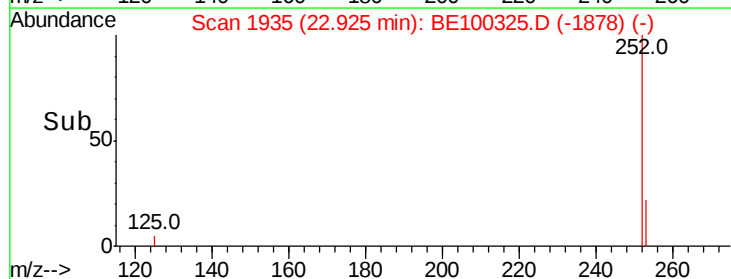
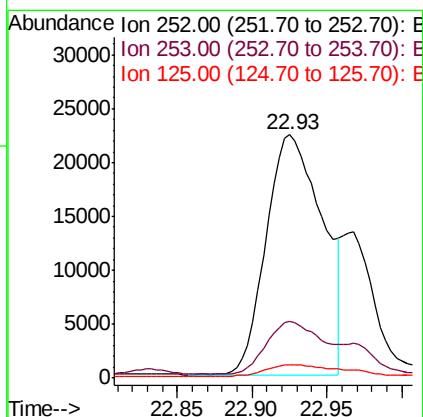
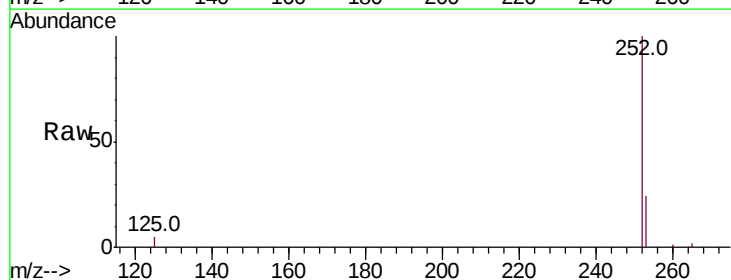
Instrument :  
BNA\_E  
ClientSampleId :

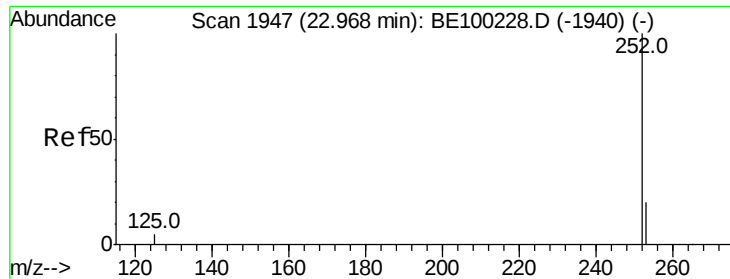
Tot Ion:264 Resp: 8716  
Ion Ratio Lower Upper  
264 100  
260 26.4 20.8 31.2  
265 34.8 21.8 32.6#



#35  
Benzo(b)fluoranthene  
Concen: 2.477 ng  
RT: 22.93 min Scan# 1935  
Delta R.T. 0.00 min  
Lab File: BE100325.D  
Acq: 3 Jul 2019 12:56

Tgt Ion:252 Resp: 58533  
Ion Ratio Lower Upper  
252 100  
253 23.5 19.2 28.8  
125 5.4 7.4 11.0#

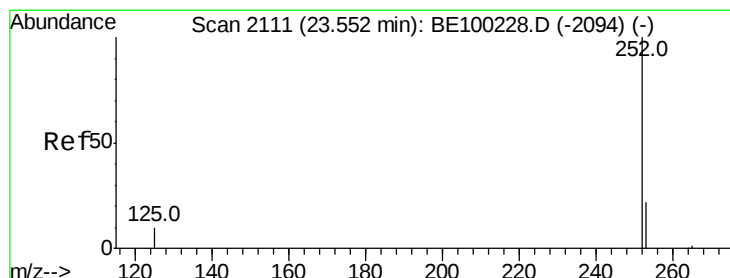
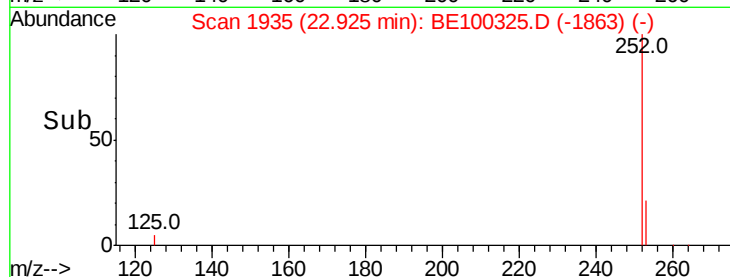
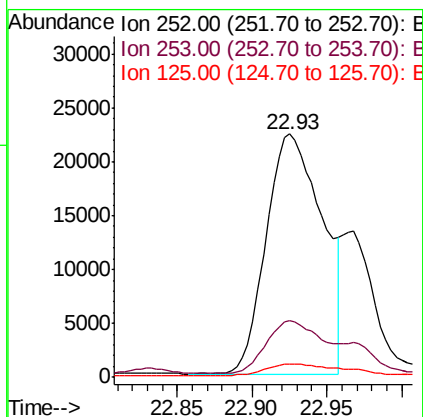
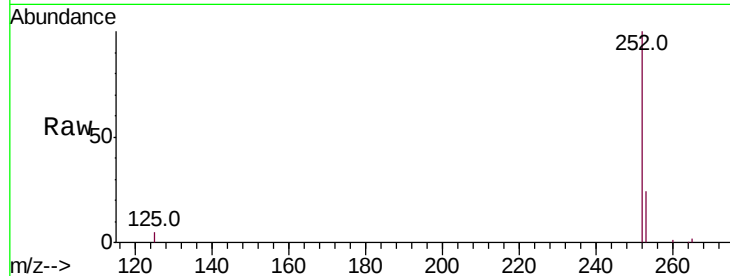




#36  
Benzo(k)fluoranthene  
Concen: 2.219 ng  
RT: 22.93 min Scan# 1935  
Delta R.T. -0.04 min  
Lab File: BE100325.D  
Acq: 3 Jul 2019 12:56

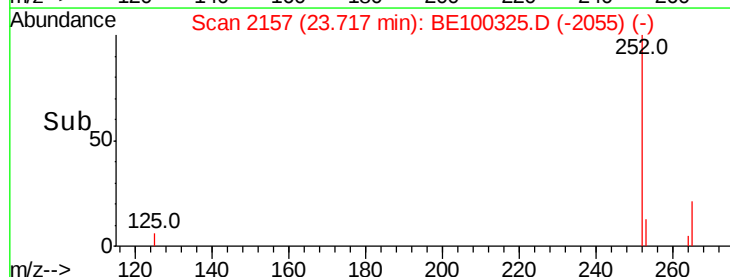
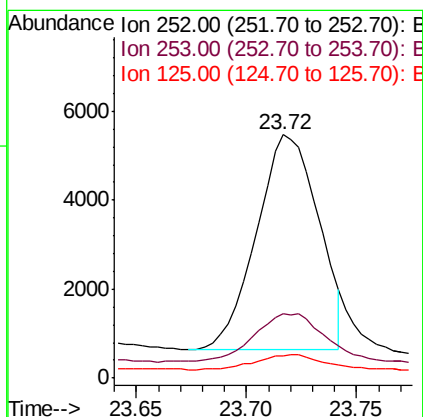
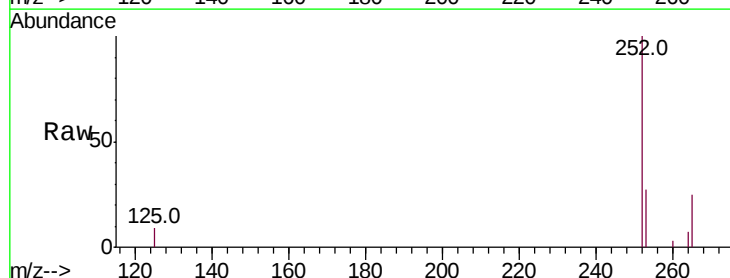
Instrument :  
BNA\_E  
ClientSampleId :

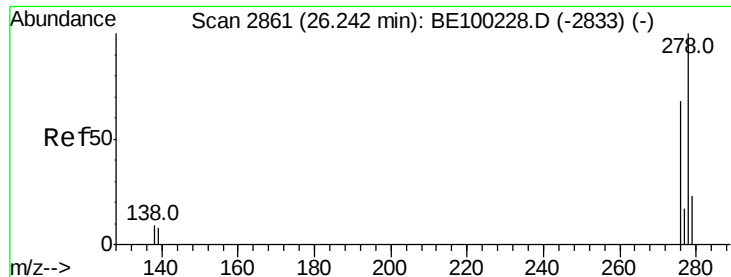
Tot Ion:252 Resp: 58533  
Ion Ratio Lower Upper  
252 100  
253 23.5 17.9 26.9  
125 5.4 5.0 7.4



#37  
Benzo(a)pyrene  
Concen: 0.400 ng  
RT: 23.72 min Scan# 2157  
Delta R.T. 0.16 min  
Lab File: BE100325.D  
Acq: 3 Jul 2019 12:56

Tgt Ion:252 Resp: 9476  
Ion Ratio Lower Upper  
252 100  
253 26.6 19.6 29.4  
125 9.2 9.0 13.6





#38

Dibenzo(a,h)anthracene

Concen: 0.314 ng

RT: 26.24 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BE100325.D

Acq: 3 Jul 2019 12:56

Instrument :

BNA\_E

ClientSampleId :

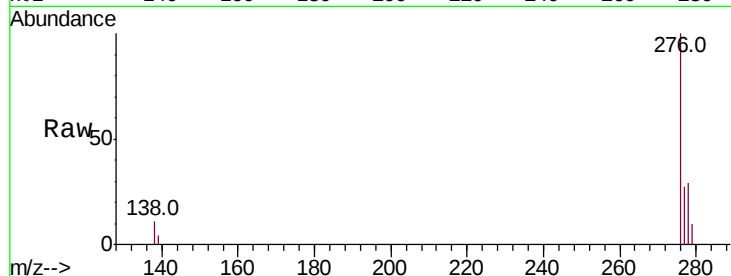
Tot Ion:278 Resp: 7766

Ion Ratio Lower Upper

278 100

139 12.0 8.2 12.2

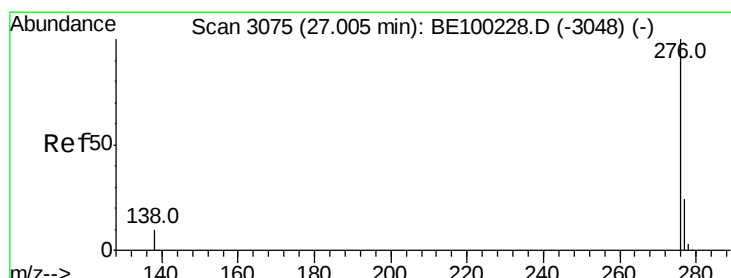
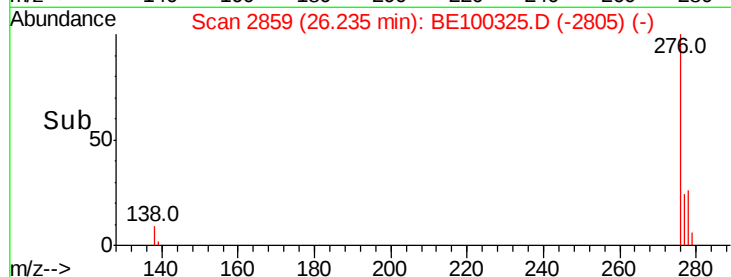
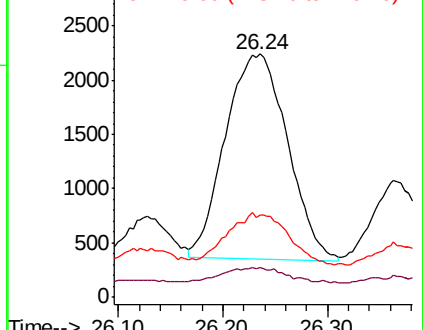
279 33.9 20.3 30.5#



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: 1.423 ng

RT: 27.01 min Scan# 3076

Delta R.T. 0.00 min

Lab File: BE100325.D

Acq: 3 Jul 2019 12:56

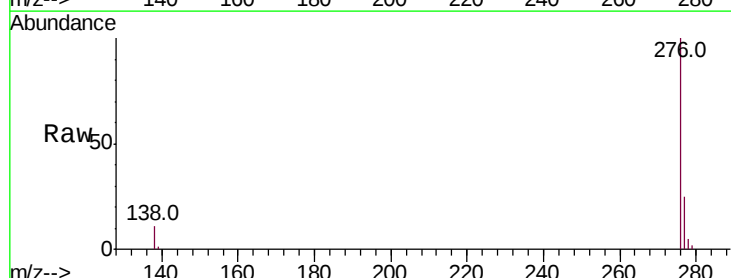
Tgt Ion:276 Resp: 36164

Ion Ratio Lower Upper

276 100

277 24.7 20.2 30.2

138 10.7 9.0 13.6



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

