

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070819\  
 Data File : BE100414.D  
 Acq On : 8 Jul 2019 16:29  
 Operator : JU/SJ  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

Quant Time: Jul 10 04:00:10 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 | 7.62  | 152  | 412      | 0.40 | ng    | -0.02    |
| 7) Naphthalene-d8         | 10.42 | 136  | 1499     | 0.40 | ng    | -0.03    |
| 13) Acenaphthene-d10      | 14.30 | 164  | 1132     | 0.40 | ng    | -0.01    |
| 19) Phenanthrene-d10      | 17.04 | 188  | 3841     | 0.40 | ng    | -0.01    |
| 27) Chrysene-d12          | 21.23 | 240  | 5026     | 0.40 | ng    | -0.01    |
| 34) Perylene-d12          | 23.64 | 264  | 6279     | 0.40 | ng    | -0.02    |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 4) 2-Fluorophenol           | 5.19  | 112 | 415   | 0.39 | ng | -0.02 |
| 5) Phenol-d6                | 6.81  | 99  | 558   | 0.40 | ng | -0.02 |
| 8) Nitrobenzene-d5          | 8.80  | 82  | 522   | 0.35 | ng | -0.03 |
| 11) 2-Methylnaphthalene-d10 | 12.04 | 152 | 1222  | 0.43 | ng | -0.01 |
| 14) 2,4,6-Tribromophenol    | 15.80 | 330 | 372   | 0.47 | ng | -0.03 |
| 15) 2-Fluorobiphenyl        | 12.93 | 172 | 2028  | 0.46 | ng | -0.01 |
| 25) Fluoranthene-d10        | 19.08 | 212 | 23306 | 0.42 | ng | -0.02 |
| 29) Terphenyl-d14           | 19.68 | 244 | 4725  | 0.45 | ng | -0.02 |

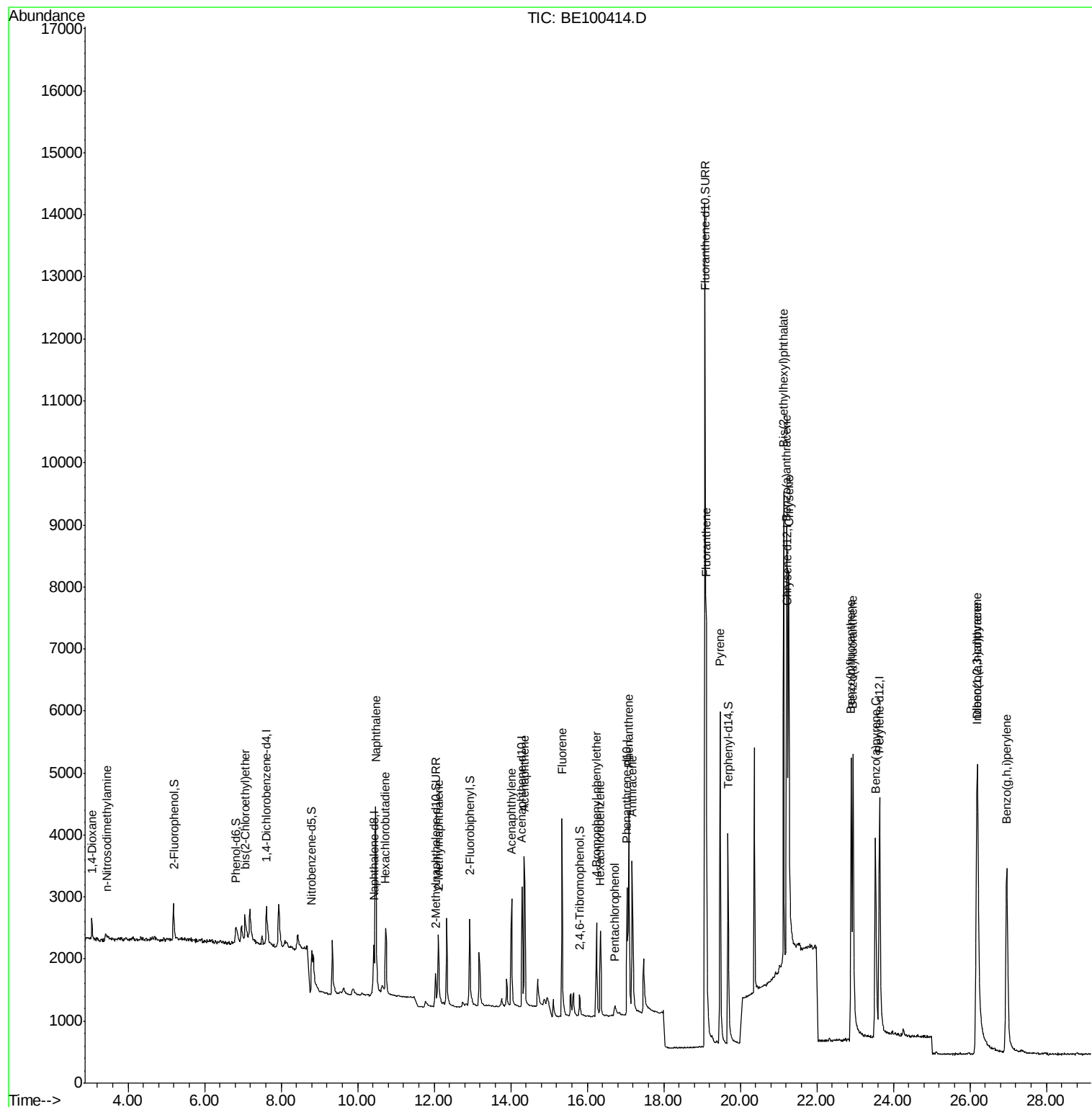
|                                |       |     |      |        |    |      |
|--------------------------------|-------|-----|------|--------|----|------|
| Target Compounds               |       |     |      | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.05  | 88  | 314  | 0.491  | ng | 90   |
| 3) n-Nitrosodimethylamine      | 3.44  | 42  | 183  | 0.614  | ng | # 56 |
| 6) bis(2-Chloroethyl)ether     | 7.06  | 93  | 354  | 0.312  | ng | # 55 |
| 9) Naphthalene                 | 10.47 | 128 | 7201 | 0.436  | ng | 99   |
| 10) Hexachlorobutadiene        | 10.73 | 225 | 857  | 0.538  | ng | 100  |
| 12) 2-Methylnaphthalene        | 12.11 | 142 | 1136 | 0.392  | ng | 95   |
| 16) Acenaphthylene             | 14.02 | 152 | 2438 | 0.449  | ng | 99   |
| 17) Acenaphthene               | 14.36 | 154 | 1354 | 0.440  | ng | # 90 |
| 18) Fluorene                   | 15.34 | 166 | 2125 | 0.467  | ng | 96   |
| 20) 4-Bromophenyl-phenylether  | 16.24 | 248 | 1079 | 0.440  | ng | # 90 |
| 21) Hexachlorobenzene          | 16.35 | 284 | 1272 | 0.500  | ng | 97   |
| 22) Pentachlorophenol          | 16.72 | 266 | 280  | 0.366  | ng | 92   |
| 23) Phenanthrene               | 17.08 | 178 | 3915 | 0.421  | ng | 98   |
| 24) Anthracene                 | 17.18 | 178 | 3326 | 0.397  | ng | 99   |
| 26) Fluoranthene               | 19.11 | 202 | 6174 | 0.416  | ng | 99   |
| 28) Pyrene                     | 19.47 | 202 | 6405 | 0.481  | ng | 99   |
| 30) Benzo(a)anthracene         | 21.21 | 228 | 7149 | 0.433  | ng | 99   |
| 31) Chrysene                   | 21.27 | 228 | 7049 | 0.425  | ng | 99   |
| 32) Bis(2-ethylhexyl)phthalate | 21.14 | 149 | 9125 | 0.333  | ng | 99   |
| 33) Indeno(1,2,3-cd)pyrene     | 26.19 | 276 | 9822 | 0.448  | ng | 97   |
| 35) Benzo(b)fluoranthene       | 22.90 | 252 | 6868 | 0.403  | ng | 98   |
| 36) Benzo(k)fluoranthene       | 22.95 | 252 | 8089 | 0.426  | ng | 96   |
| 37) Benzo(a)pyrene             | 23.53 | 252 | 7178 | 0.421  | ng | 98   |
| 38) Dibenzo(a,h)anthracene     | 26.20 | 278 | 7224 | 0.405  | ng | 98   |
| 39) Benzo(g,h,i)perylene       | 26.96 | 276 | 8521 | 0.465  | ng | 98   |

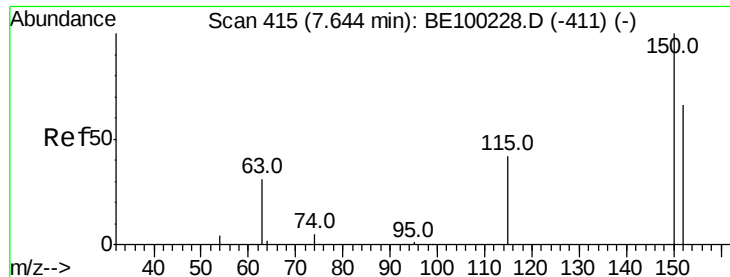
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070819\  
Data File : BE100414.D  
Acq On : 8 Jul 2019 16:29  
Operator : JU/SJ  
Sample : SSTDCCC0.4  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

Quant Time: Jul 10 04:00:10 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



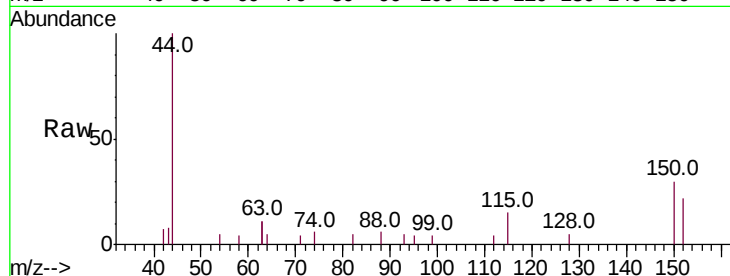


#1

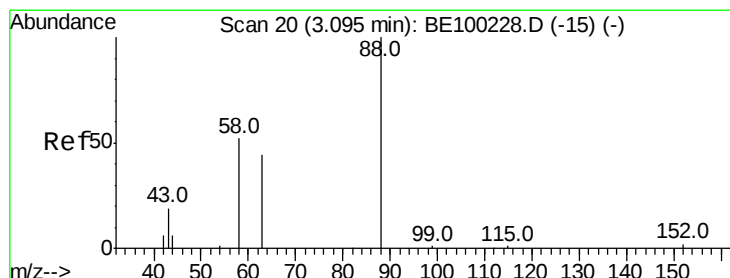
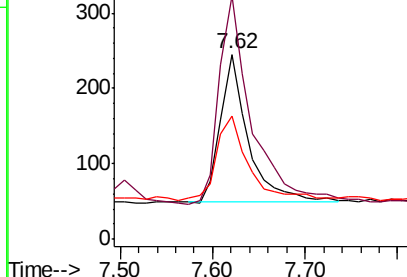
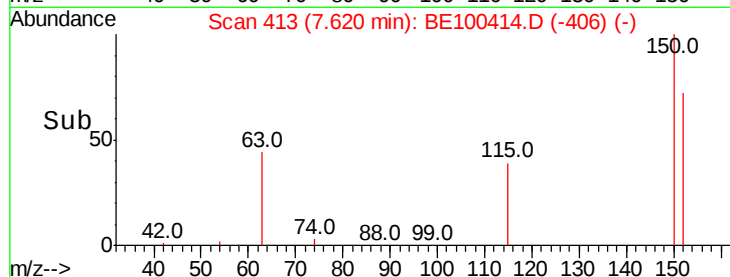
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.62 min Scan# 413  
Delta R.T. -0.02 min  
Lab File: BE100414.D  
Acq: 8 Jul 2019 16:29

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

Tot Ion:152 Resp: 412  
Ion Ratio Lower Upper  
152 100  
150 131.8 114.5 171.7  
115 66.9 57.1 85.7



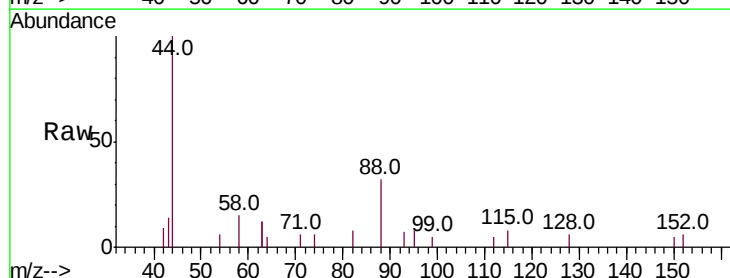
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



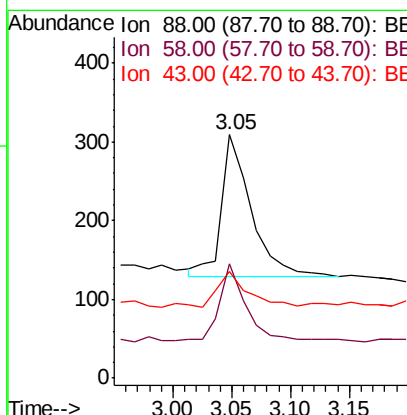
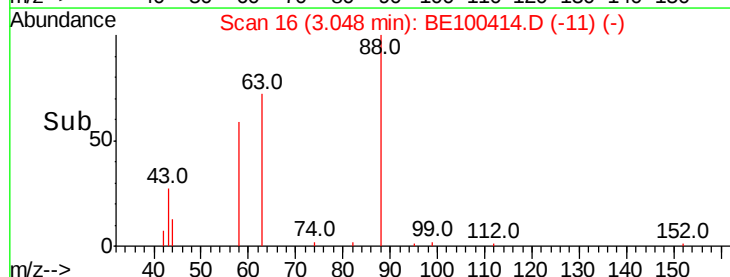
#2

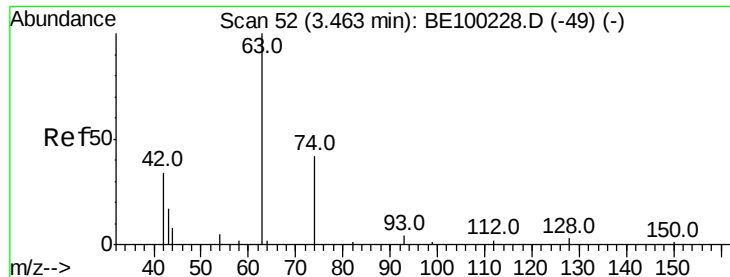
1,4-Dioxane  
Concen: 0.491 ng  
RT: 3.05 min Scan# 16  
Delta R.T. -0.05 min  
Lab File: BE100414.D  
Acq: 8 Jul 2019 16:29

Tgt Ion: 88 Resp: 314  
Ion Ratio Lower Upper  
88 100  
58 45.2 43.6 65.4  
43 25.2 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





#3

n-Nitrosodimethylamine

Concen: 0.614 ng

RT: 3.44 min Scan# 50

Delta R.T. -0.02 min

Lab File: BE100414.D

Acq: 8 Jul 2019 16:29

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

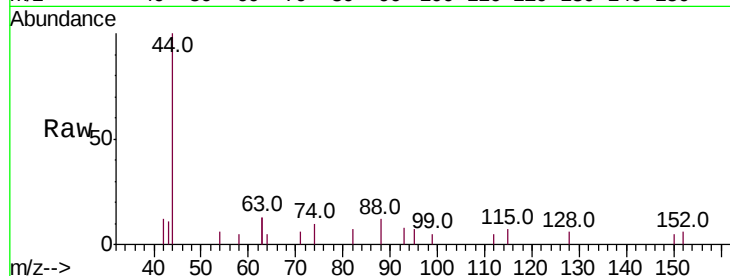
Tot Ion: 42 Resp: 183

Ion Ratio Lower Upper

42 100

74 114.2 130.6 196.0#

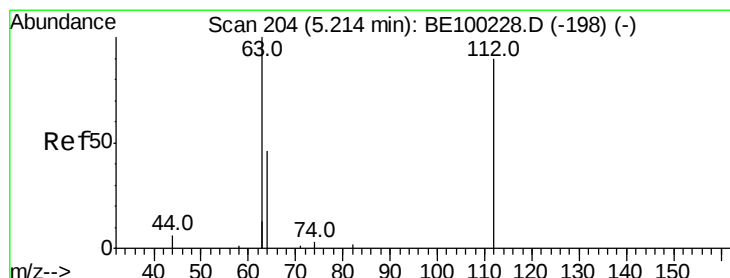
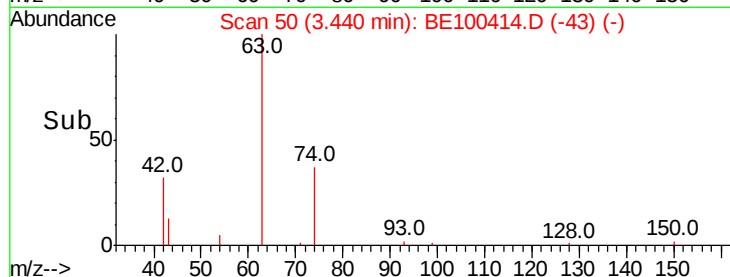
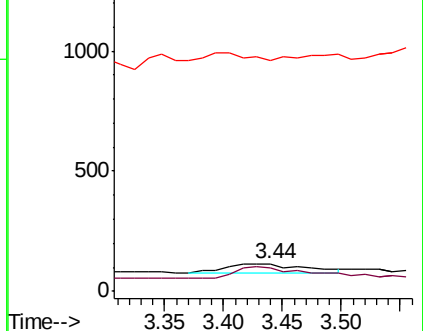
44 0.0 38.0 57.0#



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: 0.395 ng

RT: 5.19 min Scan# 202

Delta R.T. -0.02 min

Lab File: BE100414.D

Acq: 8 Jul 2019 16:29

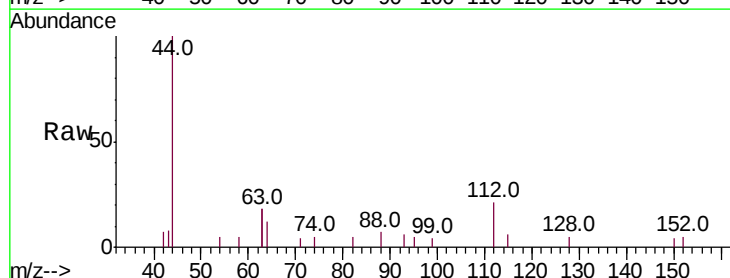
Tgt Ion: 112 Resp: 415

Ion Ratio Lower Upper

112 100

64 57.3 39.4 59.0

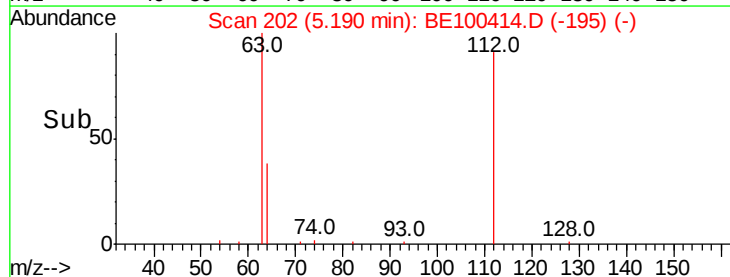
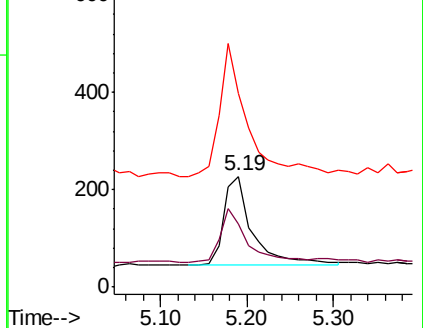
63 151.6 104.5 156.7

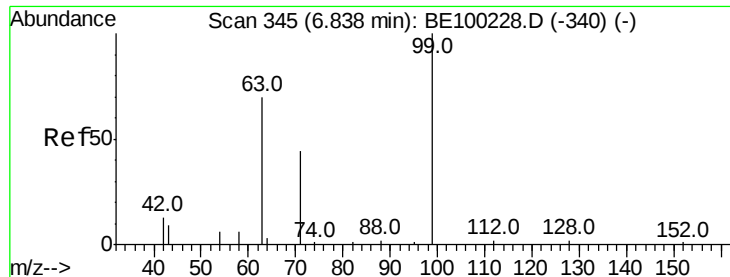


Abundance Ion 112.00 (111.70 to 112.70): BE1

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.404 ng

RT: 6.81 min Scan# 343

Delta R.T. -0.02 min

Lab File: BE100414.D

Acq: 8 Jul 2019 16:29

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

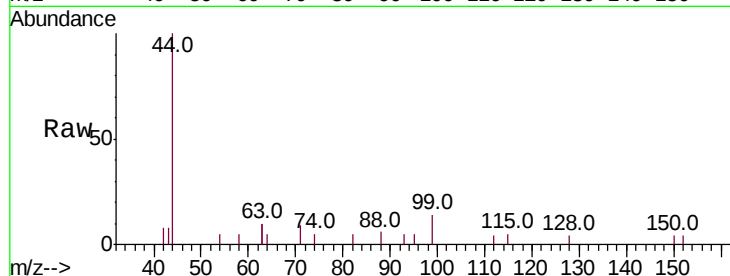
Tot Ion: 99 Resp: 558

Ion Ratio Lower Upper

99 100

42 22.2 11.2 16.8#

71 41.6 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

6.81

150

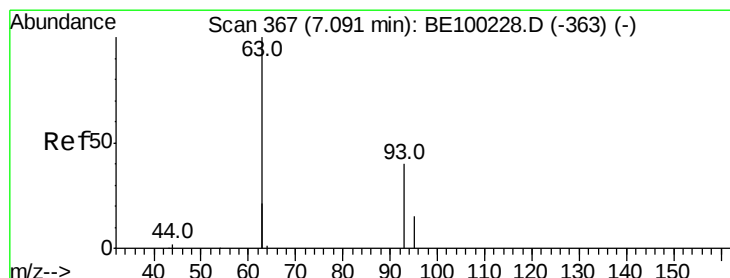
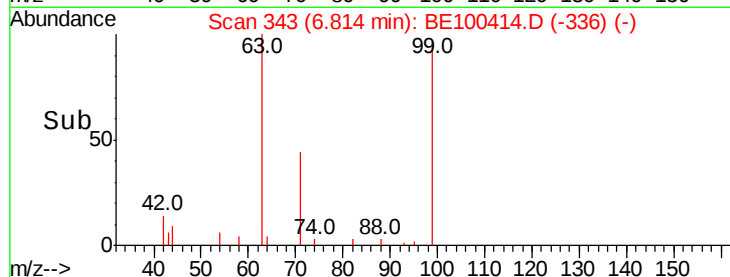
100

50

0

6.70 6.80 6.90 7.00 7.10

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.312 ng

RT: 7.06 min Scan# 364

Delta R.T. -0.04 min

Lab File: BE100414.D

Acq: 8 Jul 2019 16:29

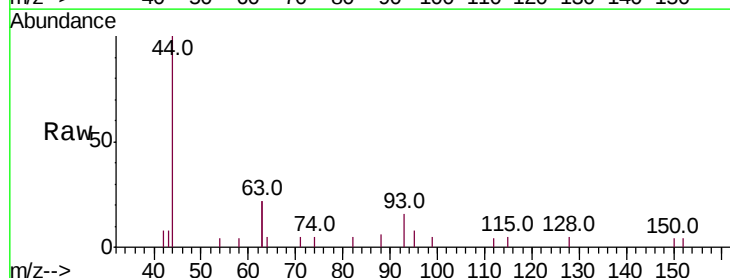
Tgt Ion: 93 Resp: 354

Ion Ratio Lower Upper

93 100

63 266.4 155.6 233.4#

95 40.7 23.0 34.4#



Abundance Ion 93.00 (92.70 to 93.70): BE1

Ion 63.00 (62.70 to 63.70): BE1

Ion 95.00 (94.70 to 95.70): BE1

600

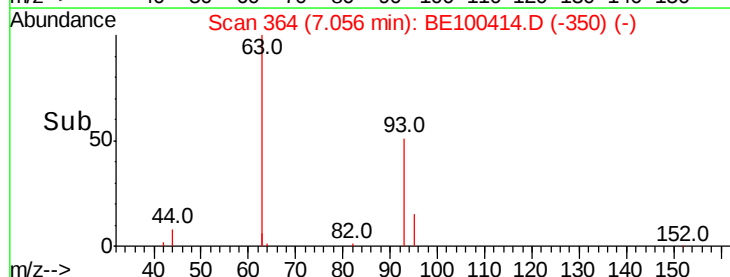
400

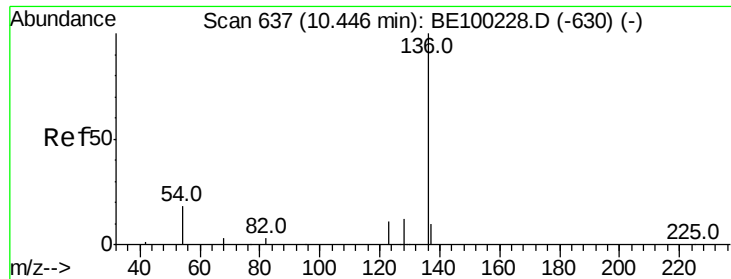
200

0

7.00 7.05 7.10 7.15

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.42 min Scan# 635

Delta R.T. -0.03 min

Lab File: BE100414.D

Acq: 8 Jul 2019 16:29

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

Tot Ion:136 Resp: 1499

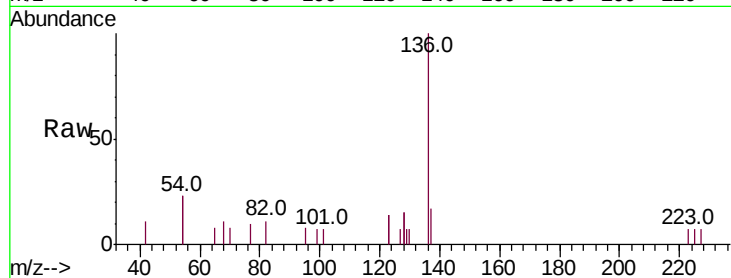
Ion Ratio Lower Upper

136 100

137 16.5 11.8 17.8

54 45.1 27.7 41.5#

68 11.4 6.8 10.2#

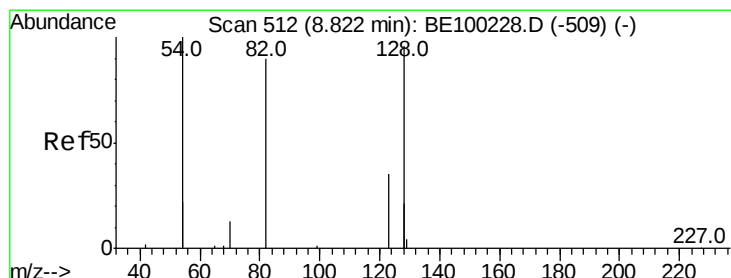
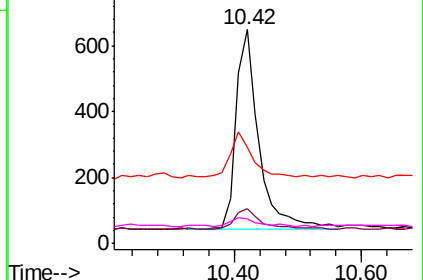
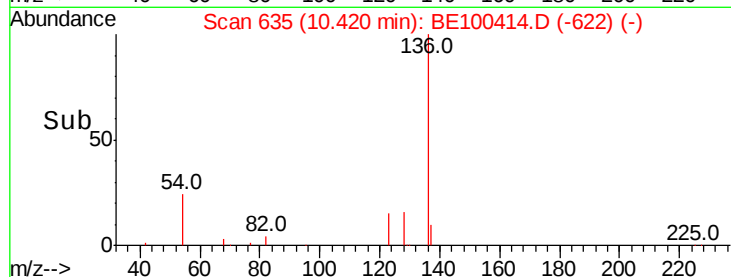


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.350 ng

RT: 8.80 min Scan# 510

Delta R.T. -0.03 min

Lab File: BE100414.D

Acq: 8 Jul 2019 16:29

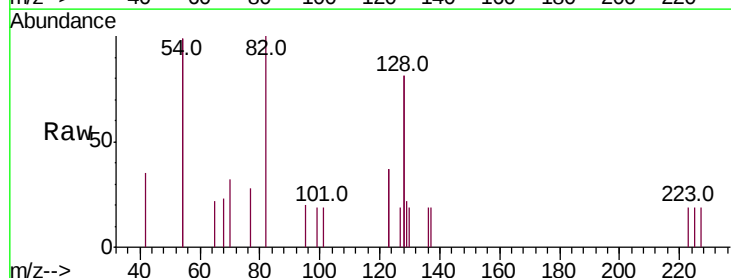
Tgt Ion: 82 Resp: 522

Ion Ratio Lower Upper

82 100

128 162.8 140.9 211.3

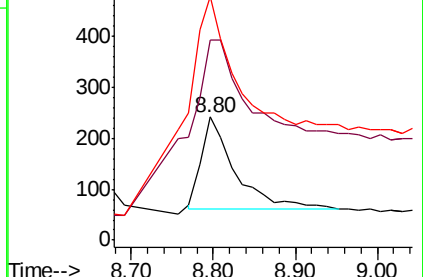
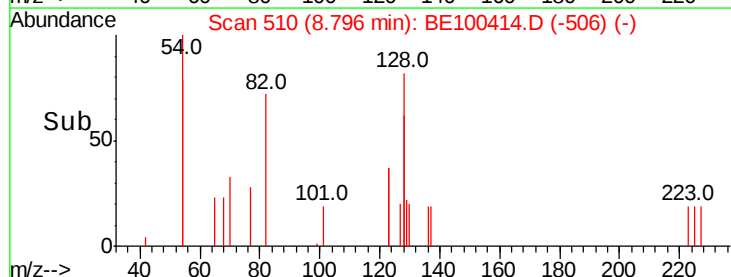
54 197.5 146.2 219.2

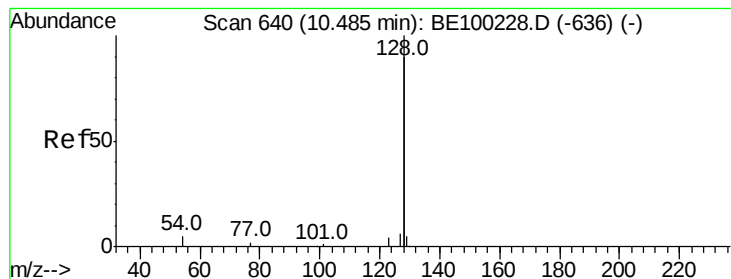


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.436 ng

RT: 10.47 min Scan# 639

Delta R.T. -0.01 min

Lab File: BE100414.D

Acq: 8 Jul 2019 16:29

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

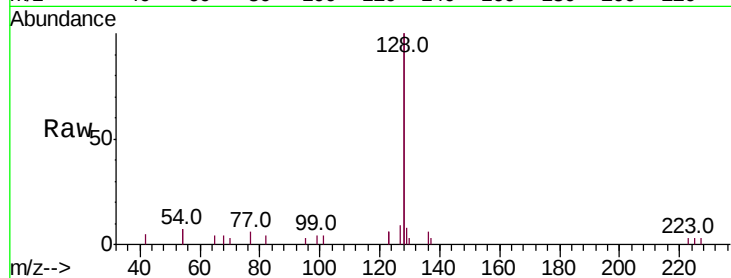
Tot Ion:128 Resp: 7201

Ion Ratio Lower Upper

128 100

129 4.2 3.0 4.6

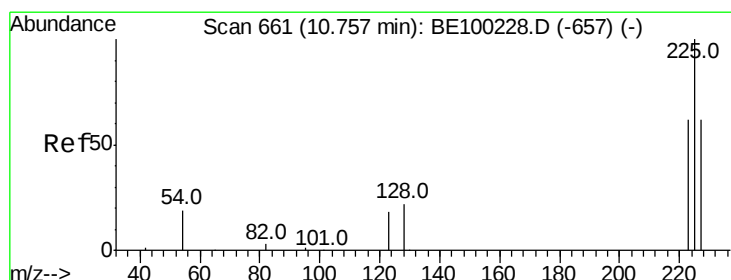
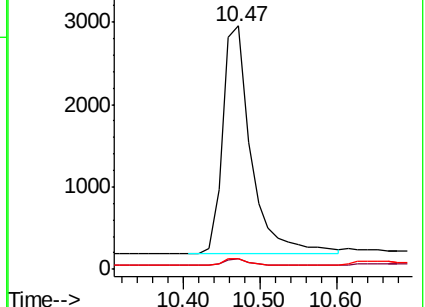
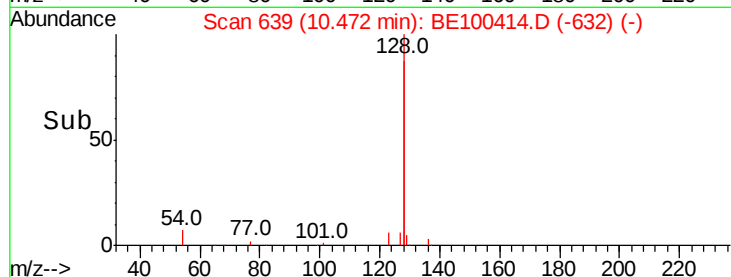
127 4.5 3.5 5.3



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



#10

Hexachlorobutadiene

Concen: 0.538 ng

RT: 10.73 min Scan# 659

Delta R.T. -0.03 min

Lab File: BE100414.D

Acq: 8 Jul 2019 16:29

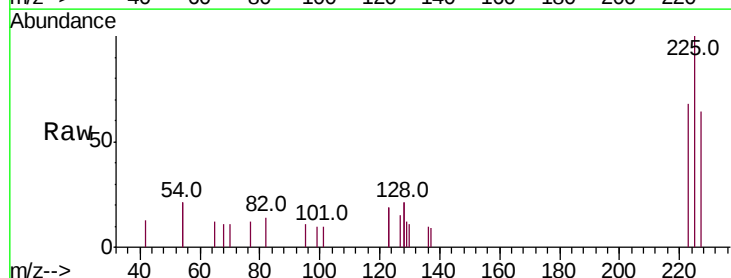
Tgt Ion:225 Resp: 857

Ion Ratio Lower Upper

225 100

223 61.5 49.1 73.7

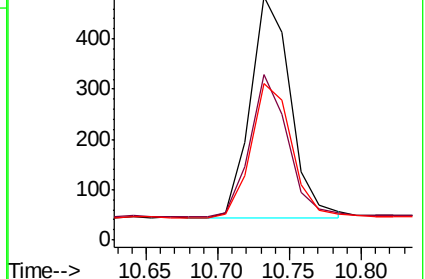
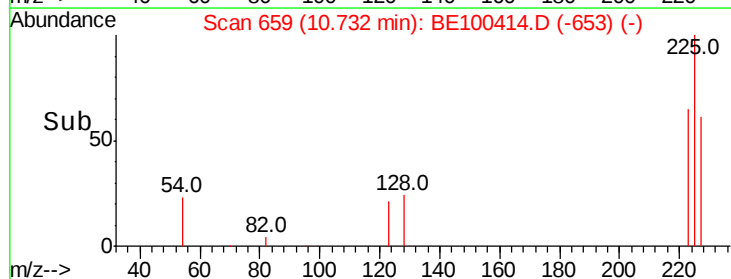
227 62.1 49.3 73.9

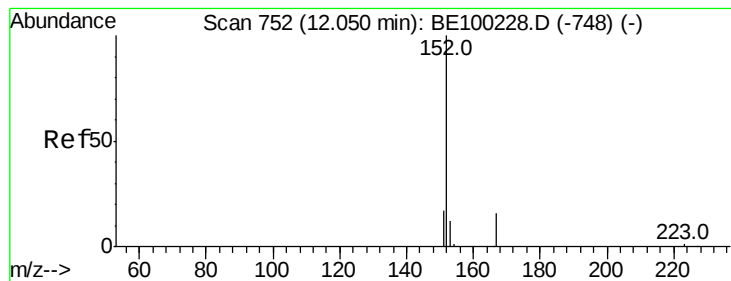


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

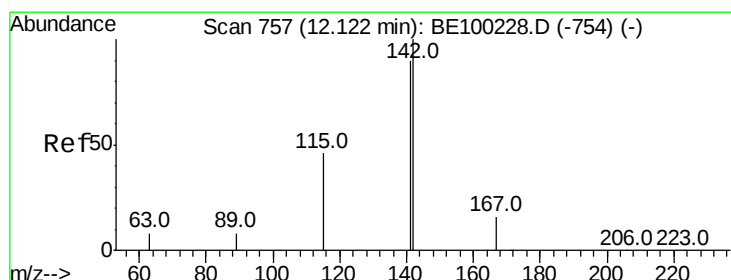
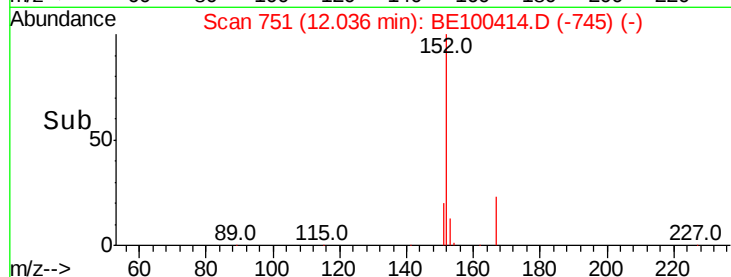
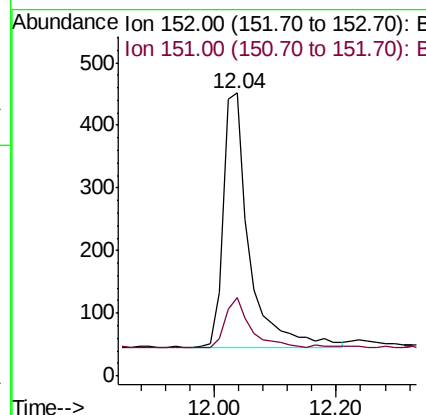
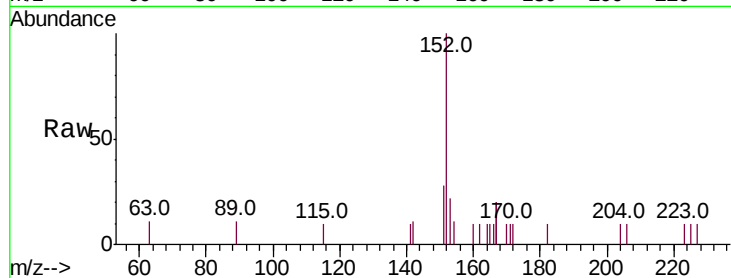




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.433 ng  
 RT: 12.04 min Scan# 751  
 Delta R.T. -0.01 min  
 Lab File: BE100414.D  
 Acq: 8 Jul 2019 16:29

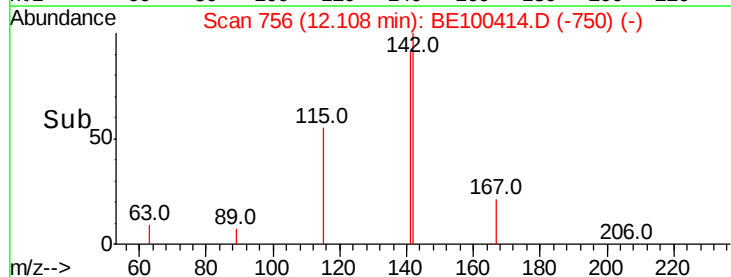
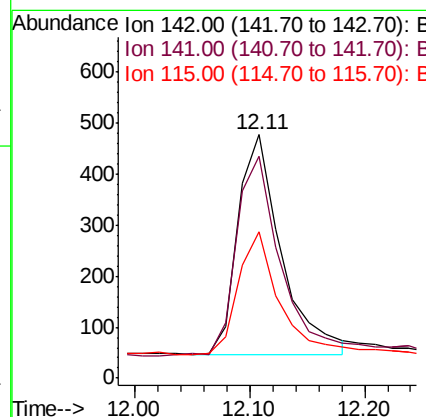
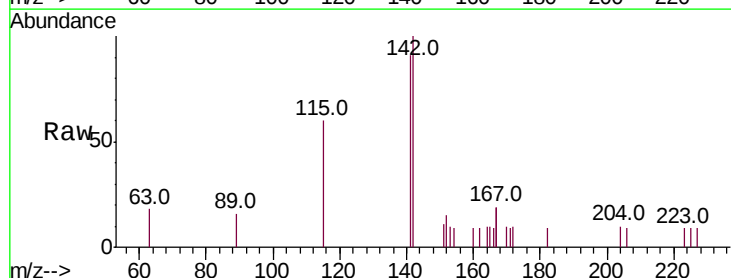
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

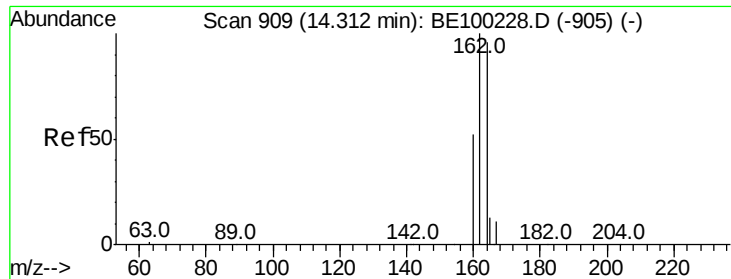
Tot Ion:152 Resp: 1222  
 Ion Ratio Lower Upper  
 152 100  
 151 18.9 15.1 22.7



#12  
 2-Methylnaphthalene  
 Concen: 0.392 ng  
 RT: 12.11 min Scan# 756  
 Delta R.T. -0.01 min  
 Lab File: BE100414.D  
 Acq: 8 Jul 2019 16:29

Tgt Ion:142 Resp: 1136  
 Ion Ratio Lower Upper  
 142 100  
 141 91.2 72.4 108.6  
 115 60.2 40.4 60.6

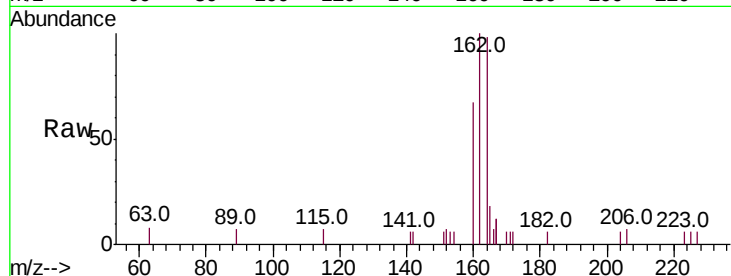




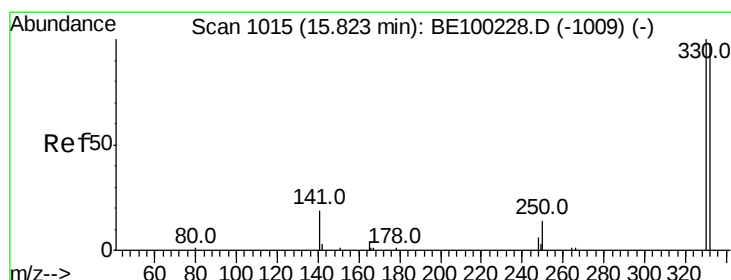
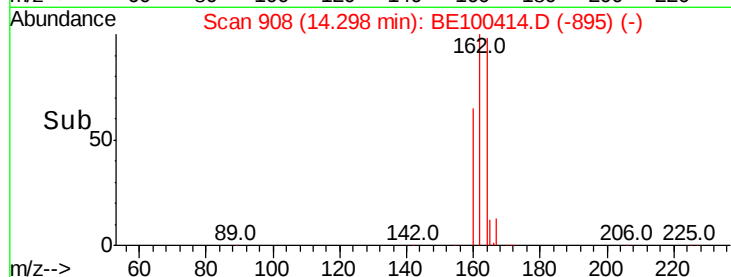
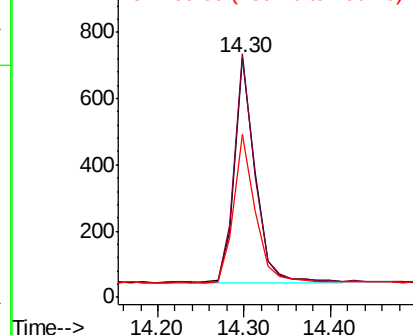
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.30 min Scan# 908  
Delta R.T. -0.01 min  
Lab File: BE100414.D  
Acq: 8 Jul 2019 16:29

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

Tot Ion:164 Resp: 1132  
Ion Ratio Lower Upper  
164 100  
162 101.8 83.4 125.0  
160 68.1 45.0 67.6#

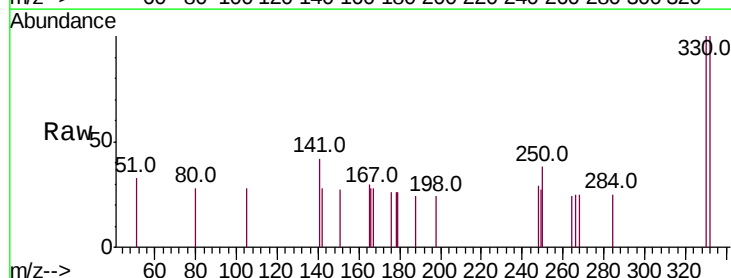


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

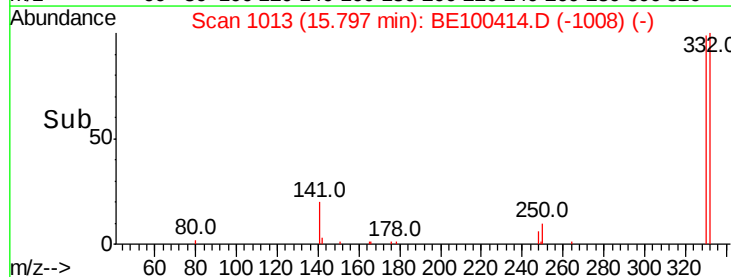
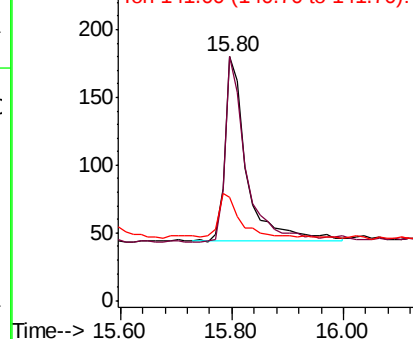


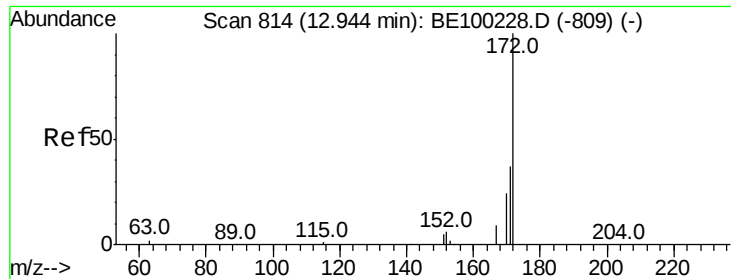
#14  
2,4,6-Tribromophenol  
Concen: 0.470 ng  
RT: 15.80 min Scan# 1013  
Delta R.T. -0.03 min  
Lab File: BE100414.D  
Acq: 8 Jul 2019 16:29

Tgt Ion:330 Resp: 372  
Ion Ratio Lower Upper  
330 100  
332 97.8 77.0 115.4  
141 29.0 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

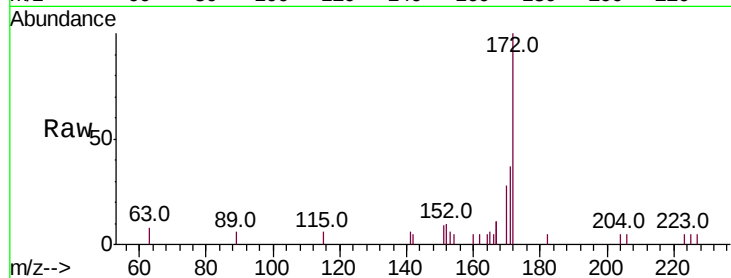




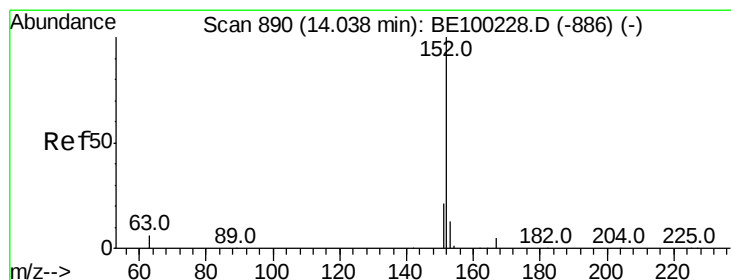
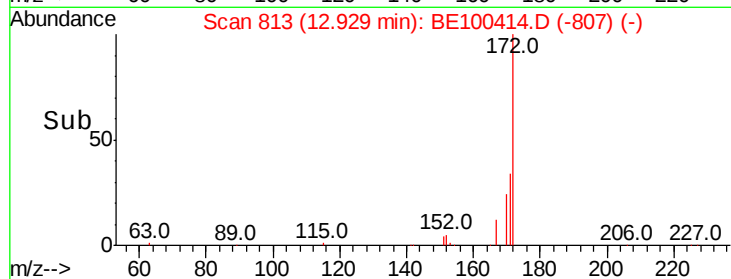
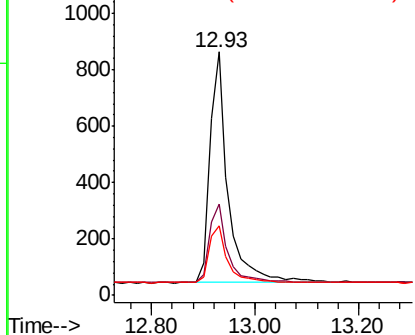
#15  
2-Fluorobiphenyl  
Concen: 0.460 ng  
RT: 12.93 min Scan# 813  
Delta R.T. -0.01 min  
Lab File: BE100414.D  
Acq: 8 Jul 2019 16:29

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

Tot Ion:172 Resp: 2028  
Ion Ratio Lower Upper  
172 100  
171 37.3 31.9 47.9  
170 28.4 22.2 33.2

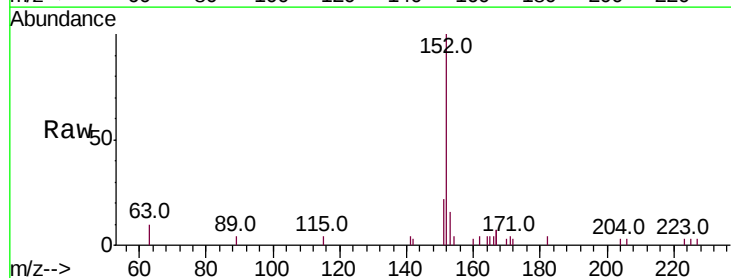


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

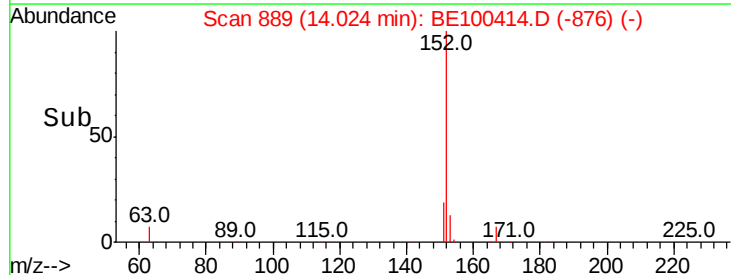
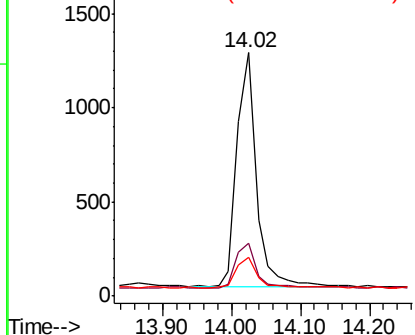


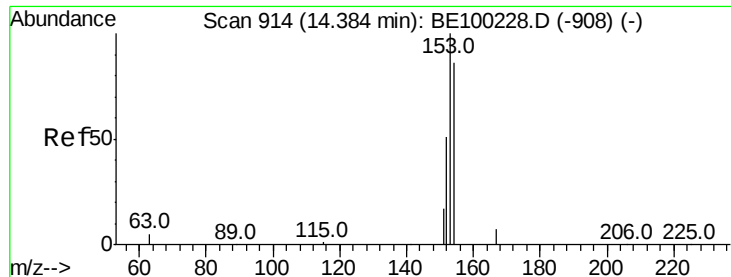
#16  
Acenaphthylene  
Concen: 0.449 ng  
RT: 14.02 min Scan# 889  
Delta R.T. -0.01 min  
Lab File: BE100414.D  
Acq: 8 Jul 2019 16:29

Tgt Ion:152 Resp: 2438  
Ion Ratio Lower Upper  
152 100  
151 20.2 16.6 25.0  
153 13.7 10.5 15.7



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

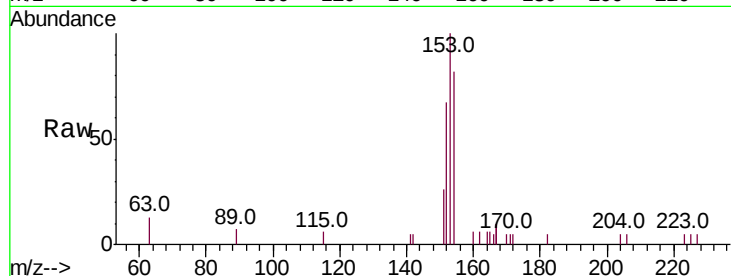




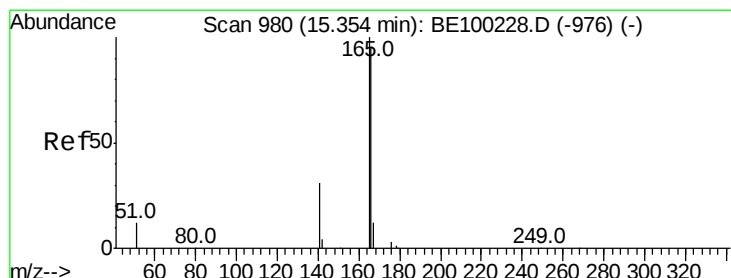
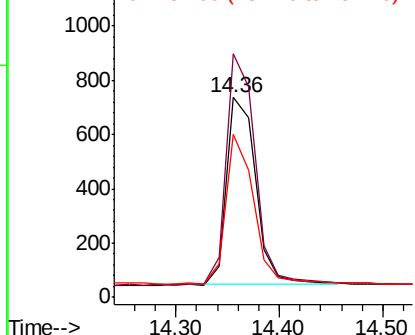
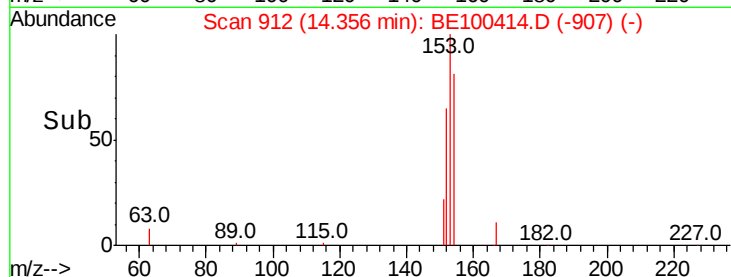
#17  
Acenaphthene  
Concen: 0.440 ng  
RT: 14.36 min Scan# 912  
Delta R.T. -0.03 min  
Lab File: BE100414.D  
Acq: 8 Jul 2019 16:29

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

Tot Ion:154 Resp: 1354  
Ion Ratio Lower Upper  
154 100  
153 122.7 93.4 140.2  
152 75.5 49.4 74.2#

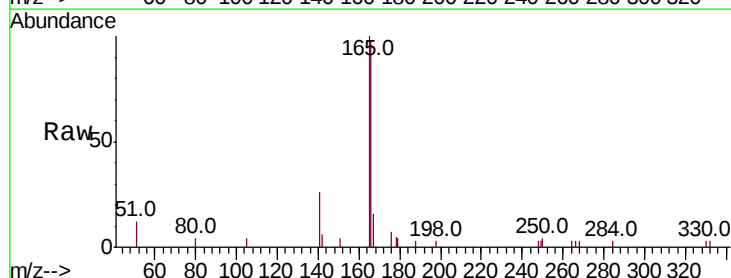


Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E

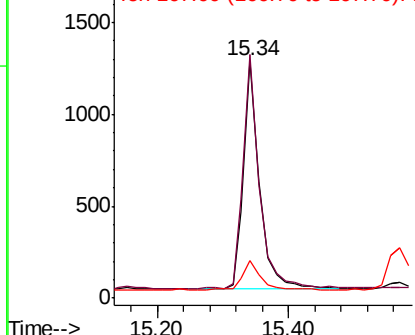
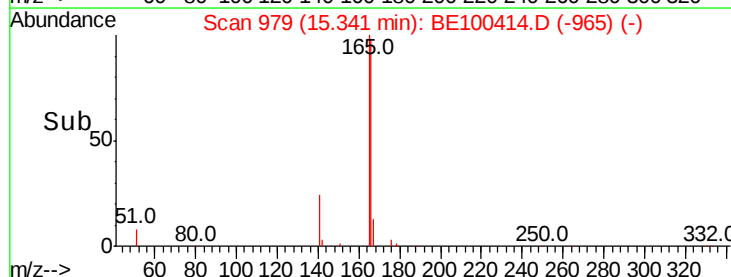


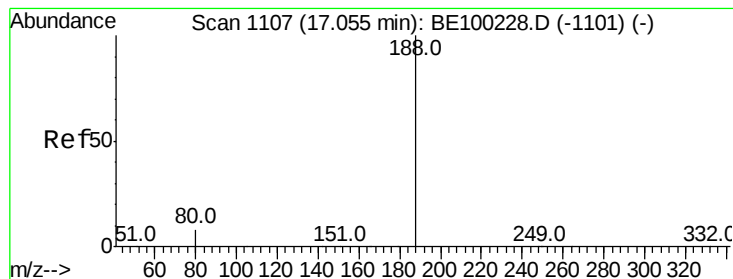
#18  
Fluorene  
Concen: 0.467 ng  
RT: 15.34 min Scan# 979  
Delta R.T. -0.01 min  
Lab File: BE100414.D  
Acq: 8 Jul 2019 16:29

Tgt Ion:166 Resp: 2125  
Ion Ratio Lower Upper  
166 100  
165 105.3 81.1 121.7  
167 14.1 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: 17.04 min Scan# 1106

Delta R.T. -0.01 min

Lab File: BE100414.D

Acq: 8 Jul 2019 16:29

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

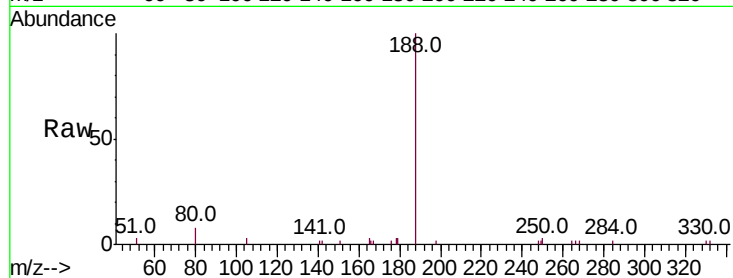
Tot Ion:188 Resp: 3841

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

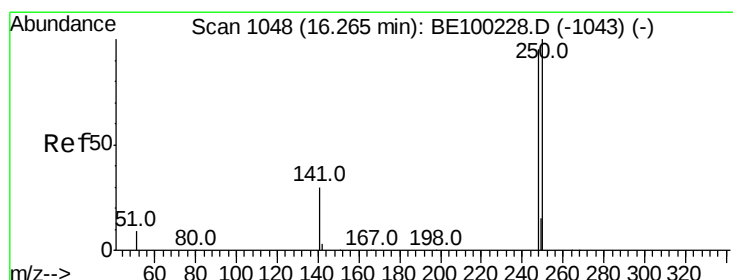
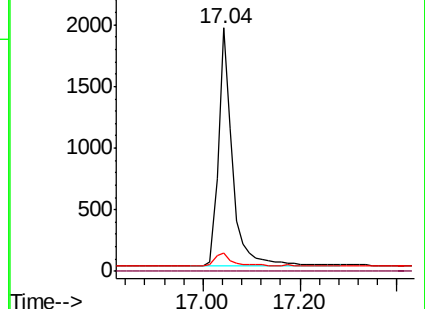
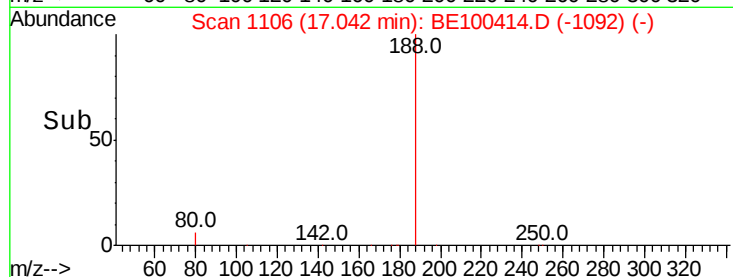
80 7.8 7.6 11.4



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



#20

4-Bromophenyl-phenylether

Concen: 0.440 ng

RT: 16.24 min Scan# 1046

Delta R.T. -0.03 min

Lab File: BE100414.D

Acq: 8 Jul 2019 16:29

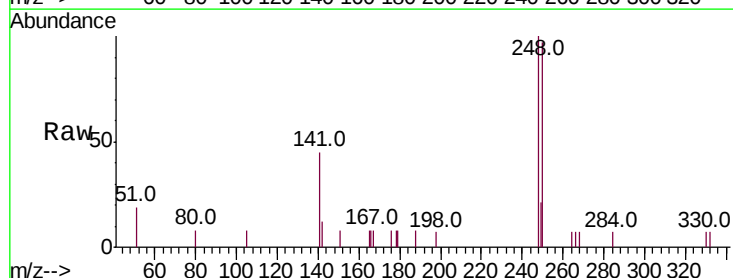
Tgt Ion:248 Resp: 1079

Ion Ratio Lower Upper

248 100

250 96.6 84.2 126.4

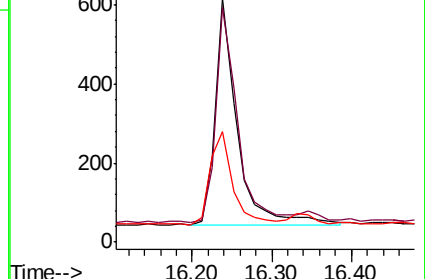
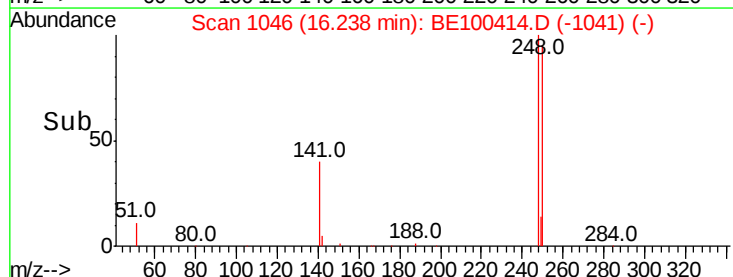
141 45.2 29.3 43.9#

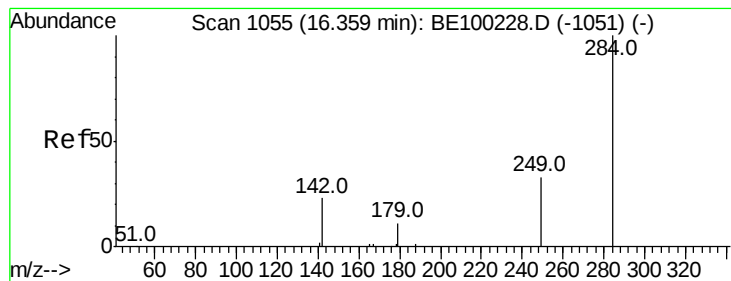


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.500 ng

RT: 16.35 min Scan# 1054

Delta R.T. -0.01 min

Lab File: BE100414.D

Acq: 8 Jul 2019 16:29

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

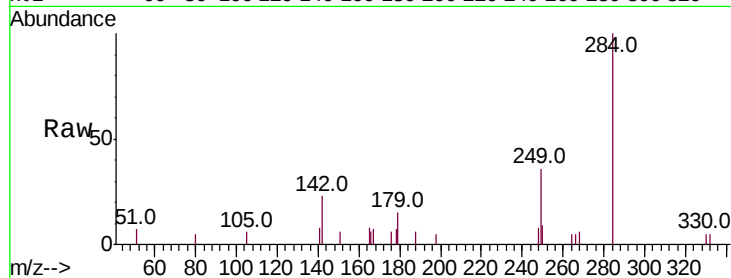
Tot Ion:284 Resp: 1272

Ion Ratio Lower Upper

284 100

142 24.1 18.8 28.2

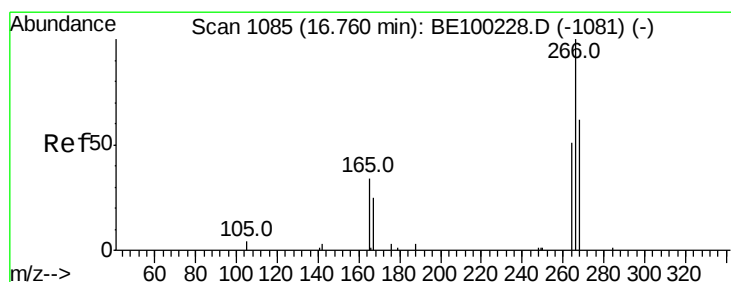
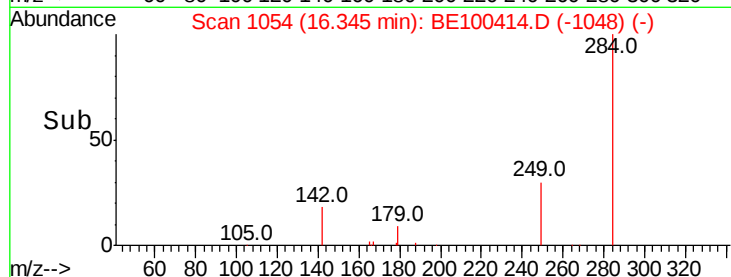
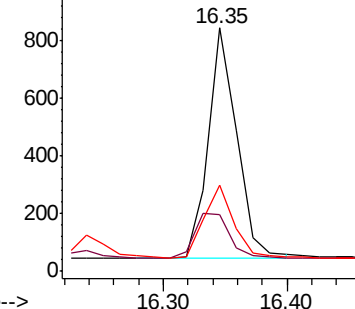
249 32.1 23.7 35.5



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.366 ng

RT: 16.72 min Scan# 1082

Delta R.T. -0.04 min

Lab File: BE100414.D

Acq: 8 Jul 2019 16:29

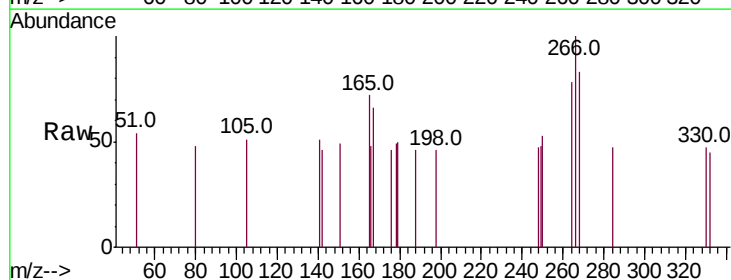
Tgt Ion:266 Resp: 280

Ion Ratio Lower Upper

266 100

264 77.6 56.2 84.2

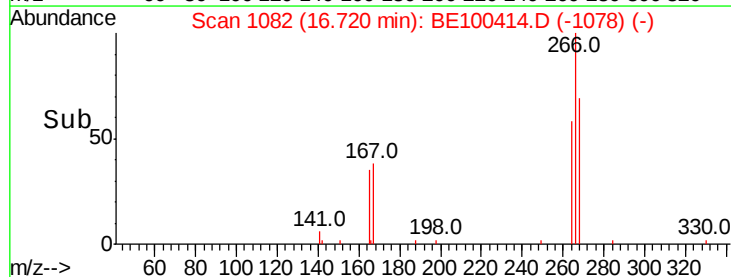
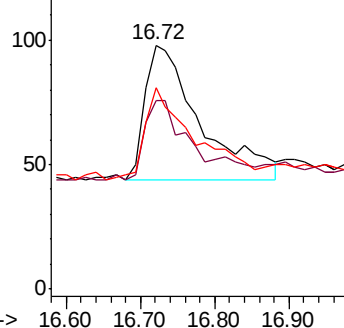
268 82.7 61.8 92.6

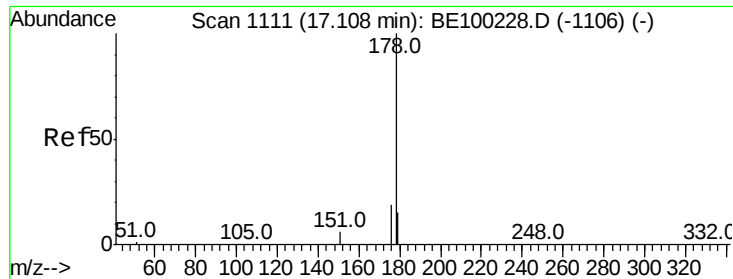


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.421 ng

RT: 17.08 min Scan# 1109

Delta R.T. -0.03 min

Lab File: BE100414.D

Acq: 8 Jul 2019 16:29

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

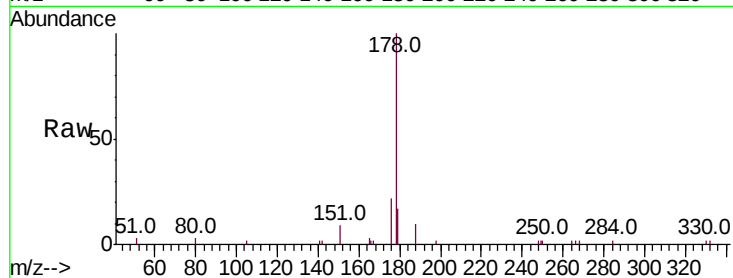
Tot Ion:178 Resp: 3915

Ion Ratio Lower Upper

178 100

176 20.9 15.9 23.9

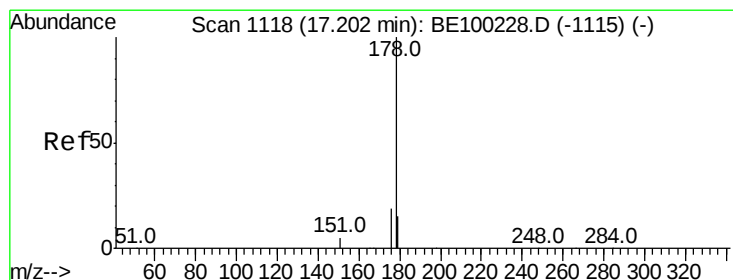
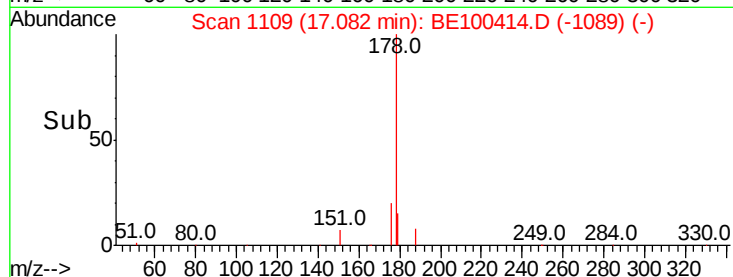
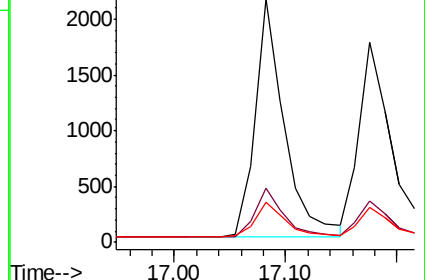
179 15.8 12.2 18.2



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: 0.397 ng

RT: 17.18 min Scan# 1116

Delta R.T. -0.03 min

Lab File: BE100414.D

Acq: 8 Jul 2019 16:29

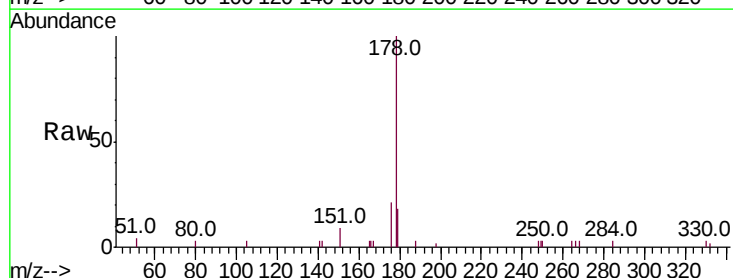
Tgt Ion:178 Resp: 3326

Ion Ratio Lower Upper

178 100

176 18.7 15.3 22.9

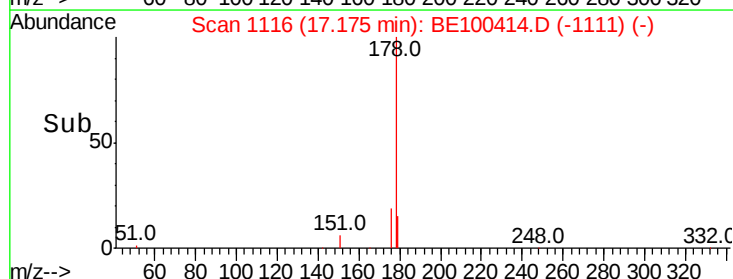
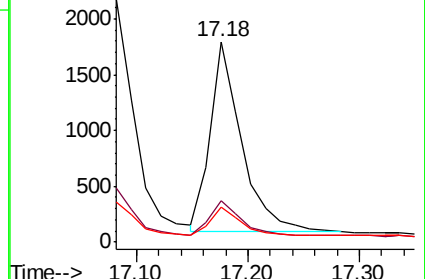
179 14.7 12.2 18.2

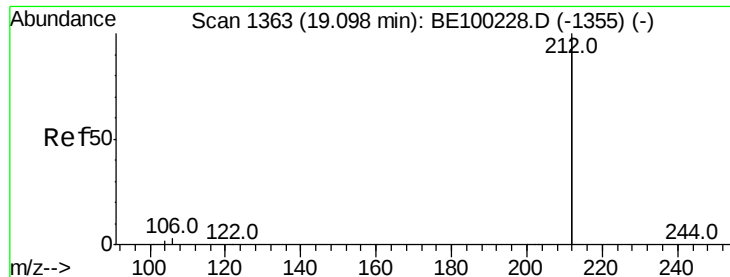


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.418 ng

RT: 19.08 min Scan# 1360

Delta R.T. -0.02 min

Lab File: BE100414.D

Acq: 8 Jul 2019 16:29

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

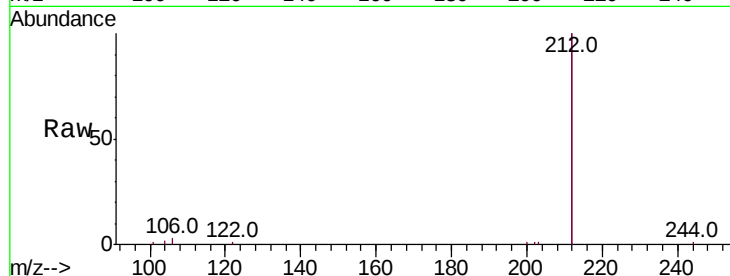
Tot Ion:212 Resp: 23306

Ion Ratio Lower Upper

212 100

106 1.3 1.3 1.9

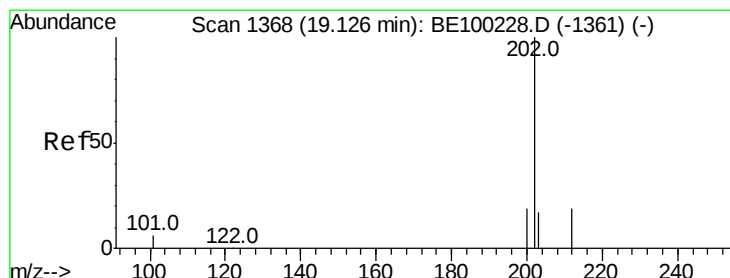
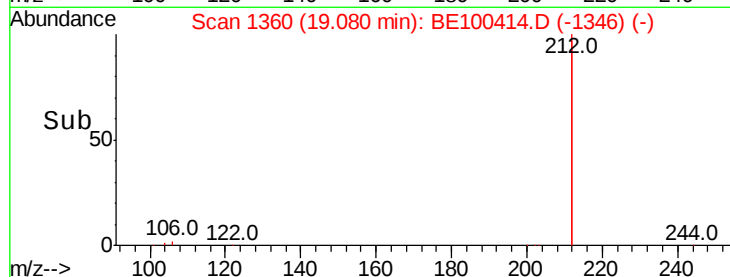
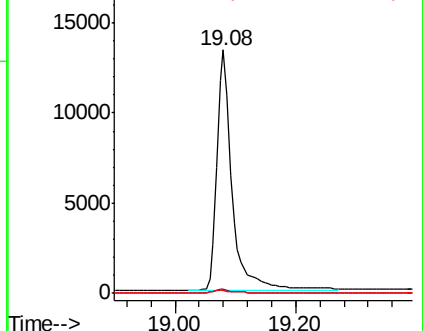
104 0.8 0.8 1.2#



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: 0.416 ng

RT: 19.11 min Scan# 1365

Delta R.T. -0.02 min

Lab File: BE100414.D

Acq: 8 Jul 2019 16:29

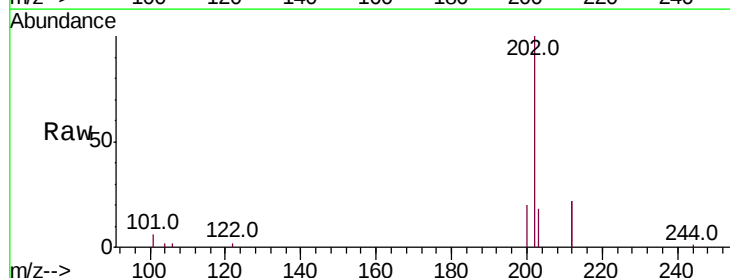
Tgt Ion:202 Resp: 6174

Ion Ratio Lower Upper

202 100

101 5.1 4.6 7.0

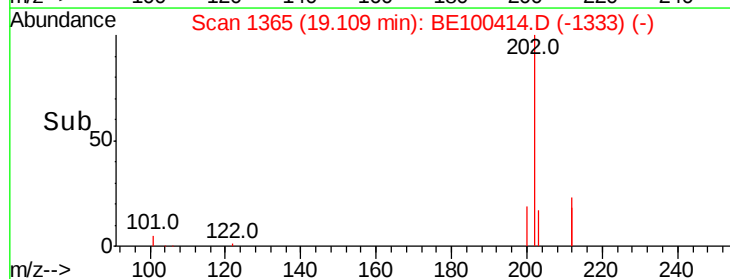
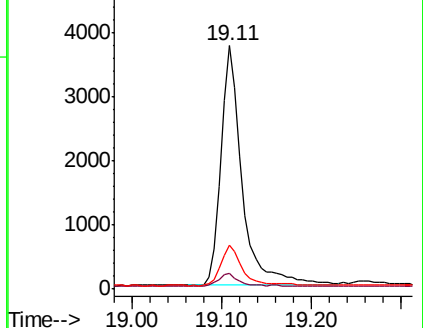
203 17.1 13.7 20.5

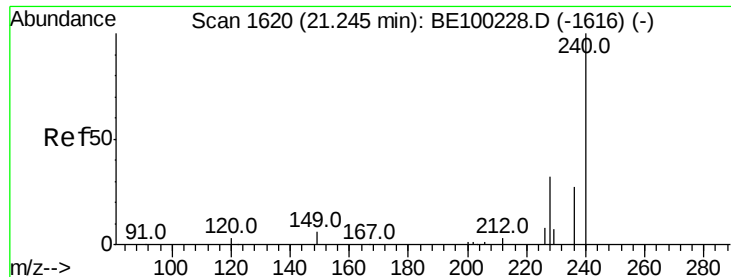


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.23 min Scan# 1619

Delta R.T. -0.01 min

Lab File: BE100414.D

Acq: 8 Jul 2019 16:29

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

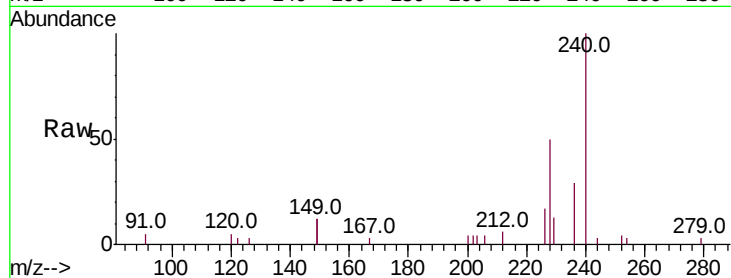
Tot Ion:240 Resp: 5026

Ion Ratio Lower Upper

240 100

120 4.8 3.3 4.9

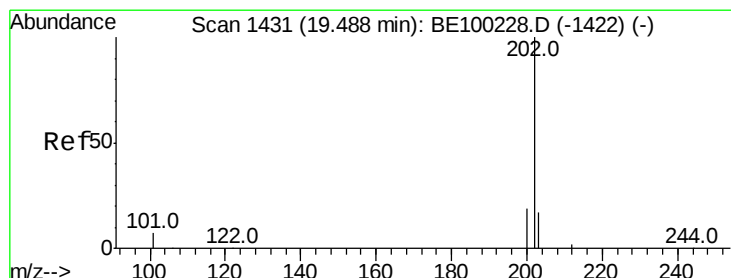
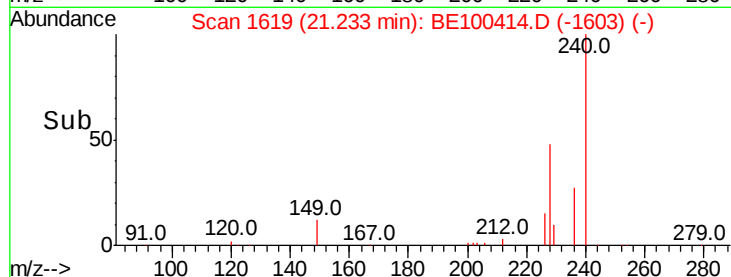
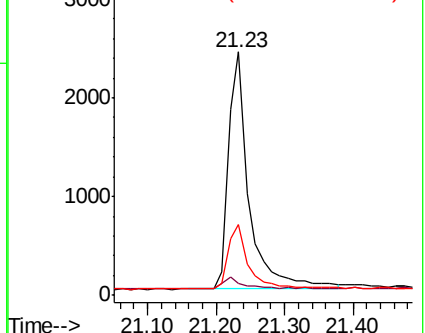
236 28.8 22.6 34.0



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: 0.481 ng

RT: 19.47 min Scan# 1428

Delta R.T. -0.02 min

Lab File: BE100414.D

Acq: 8 Jul 2019 16:29

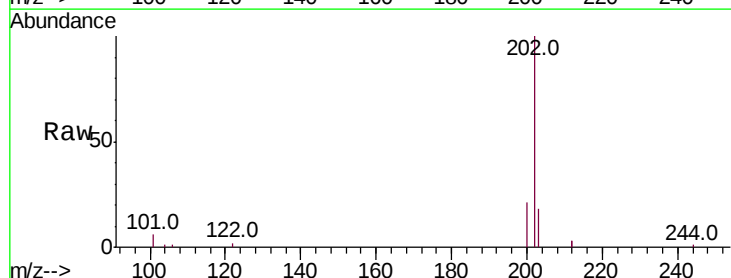
Tgt Ion:202 Resp: 6405

Ion Ratio Lower Upper

202 100

200 19.8 15.6 23.4

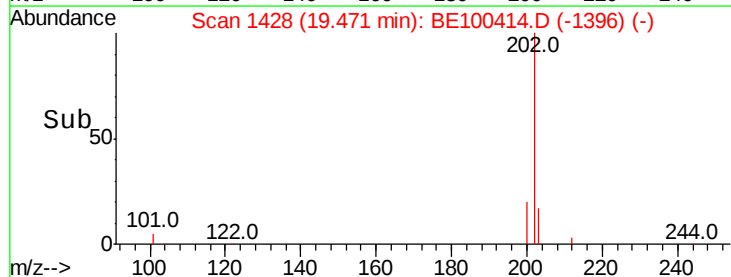
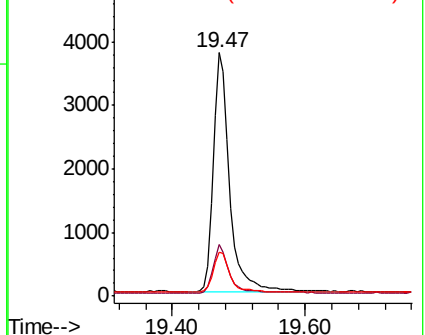
203 18.1 14.0 21.0

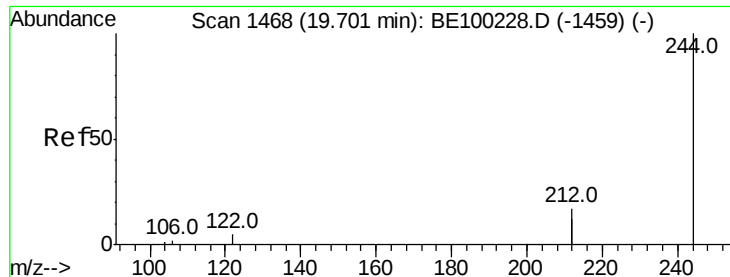


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.454 ng

RT: 19.68 min Scan# 1465

Delta R.T. -0.02 min

Lab File: BE100414.D

Acq: 8 Jul 2019 16:29

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

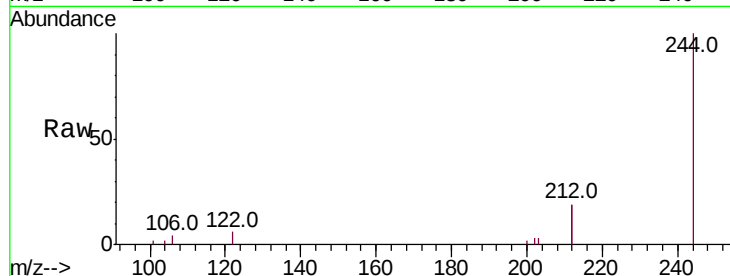
Tot Ion:244 Resp: 4725

Ion Ratio Lower Upper

244 100

212 38.8 27.3 40.9

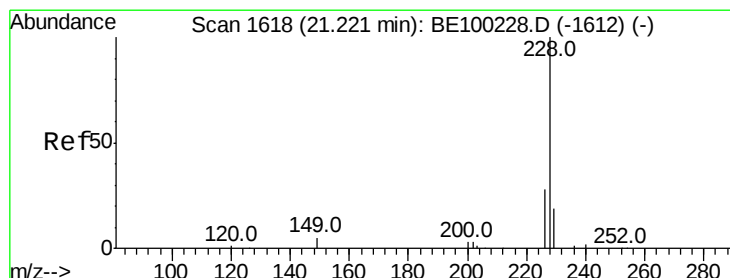
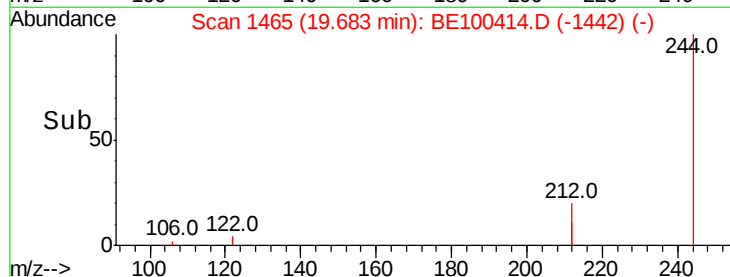
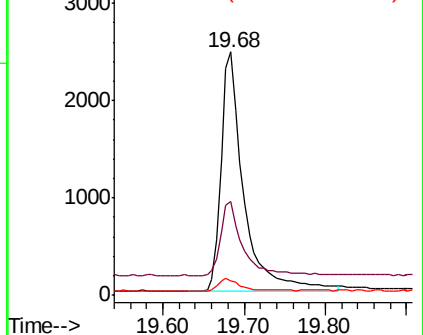
122 6.1 4.7 7.1



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: 0.433 ng

RT: 21.21 min Scan# 1617

Delta R.T. -0.01 min

Lab File: BE100414.D

Acq: 8 Jul 2019 16:29

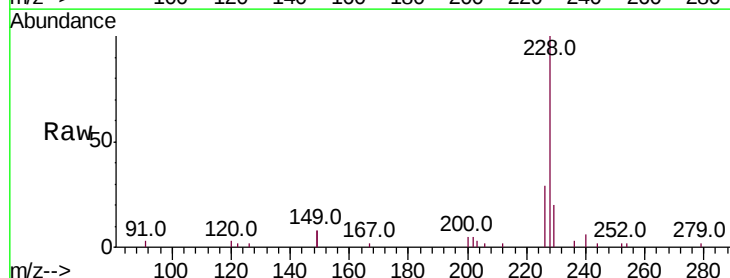
Tgt Ion:228 Resp: 7149

Ion Ratio Lower Upper

228 100

226 28.9 23.2 34.8

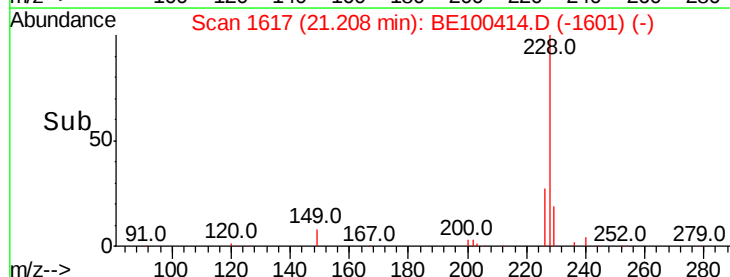
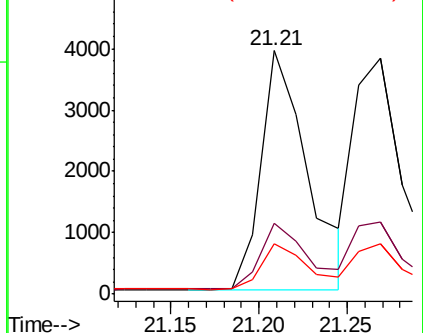
229 20.4 15.7 23.5

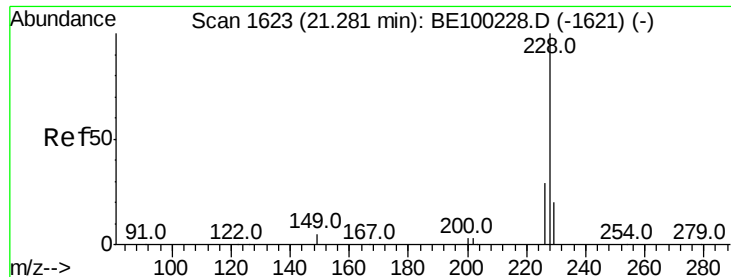


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.425 ng

RT: 21.27 min Scan# 1622

Delta R.T. -0.01 min

Lab File: BE100414.D

Acq: 8 Jul 2019 16:29

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

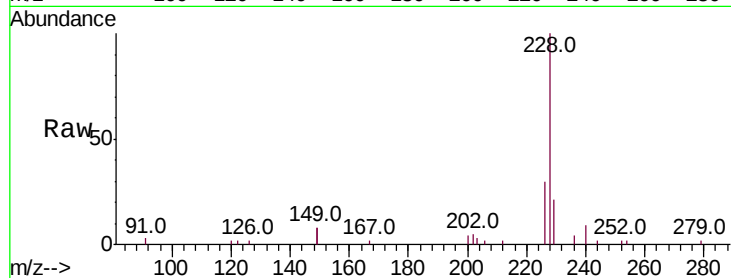
Tot Ion:228 Resp: 7049

Ion Ratio Lower Upper

228 100

226 30.4 23.9 35.9

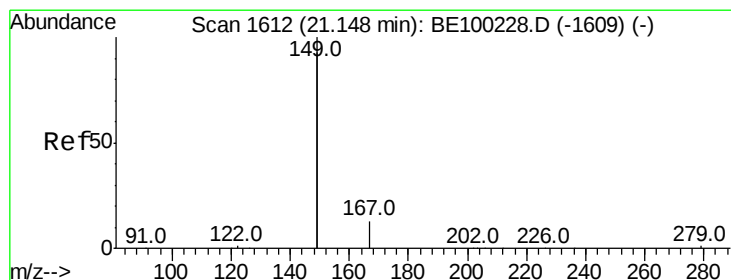
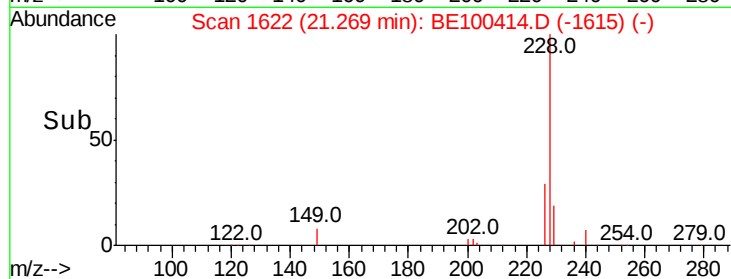
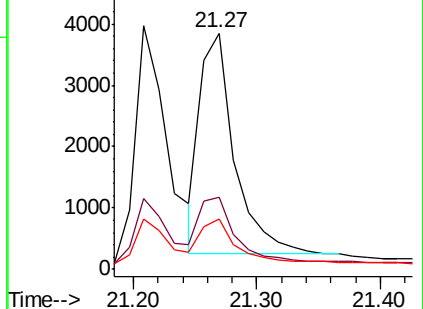
229 21.1 16.5 24.7



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.333 ng

RT: 21.14 min Scan# 1611

Delta R.T. -0.01 min

Lab File: BE100414.D

Acq: 8 Jul 2019 16:29

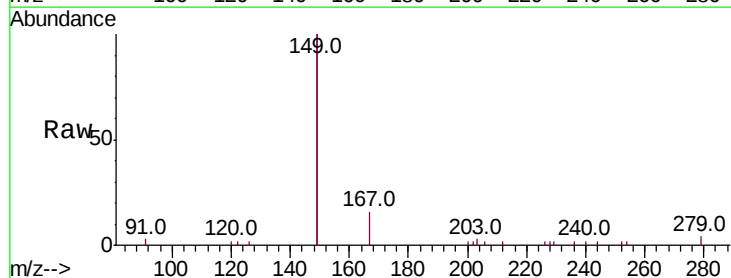
Tgt Ion:149 Resp: 9125

Ion Ratio Lower Upper

149 100

167 6.8 5.8 8.8

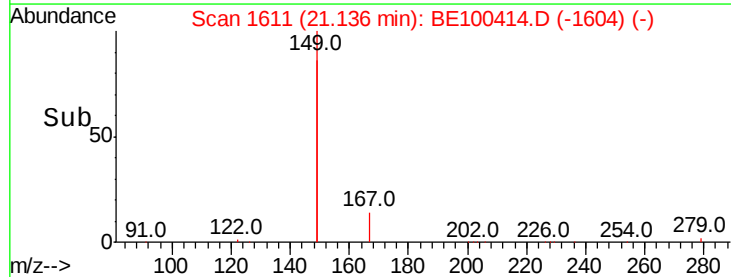
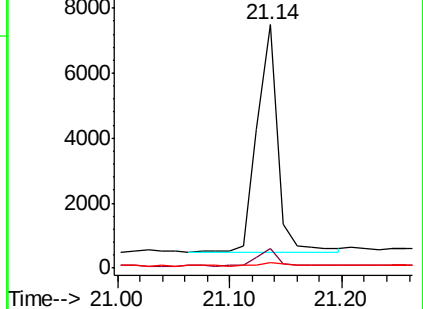
279 1.7 1.1 1.7

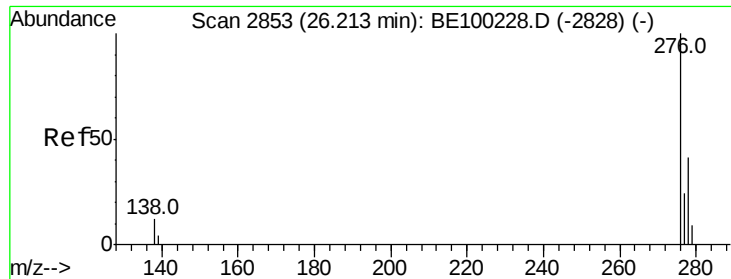


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.448 ng

RT: 26.19 min Scan# 2845

Delta R.T. -0.03 min

Lab File: BE100414.D

Acq: 8 Jul 2019 16:29

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

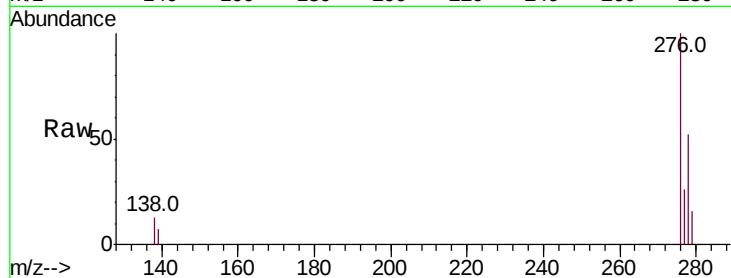
Tot Ion:276 Resp: 9822

Ion Ratio Lower Upper

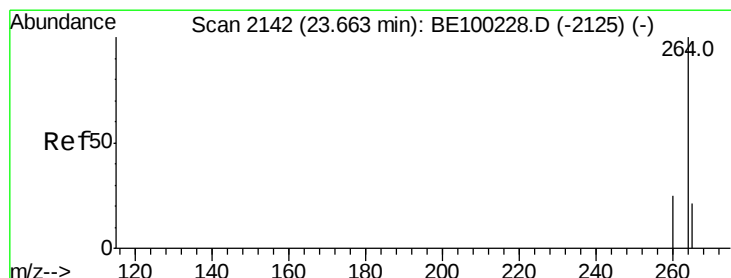
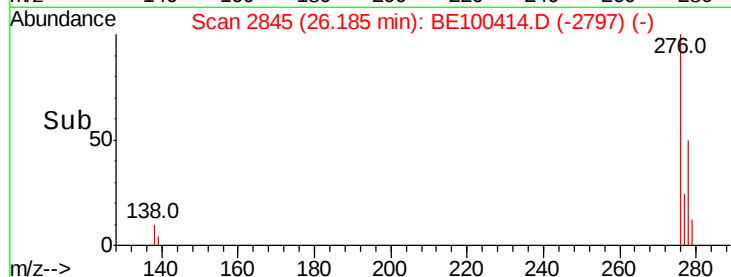
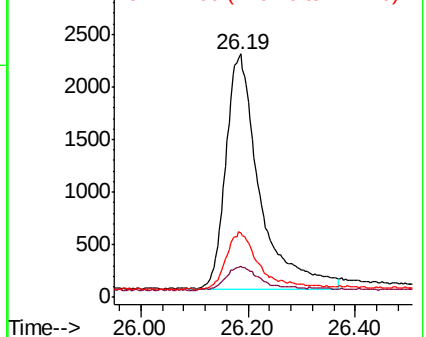
276 100

138 10.7 9.4 14.0

277 22.2 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

Perylene-d12

Concen: 0.400 ng

RT: 23.64 min Scan# 2136

Delta R.T. -0.02 min

Lab File: BE100414.D

Acq: 8 Jul 2019 16:29

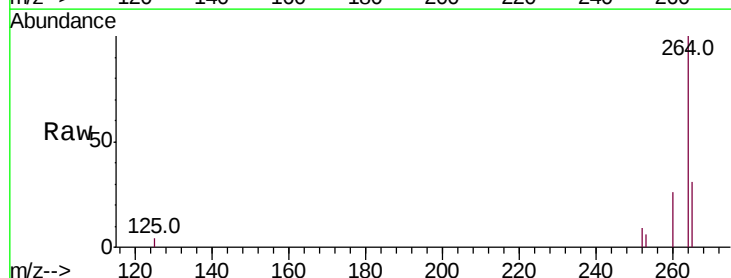
Tgt Ion:264 Resp: 6279

Ion Ratio Lower Upper

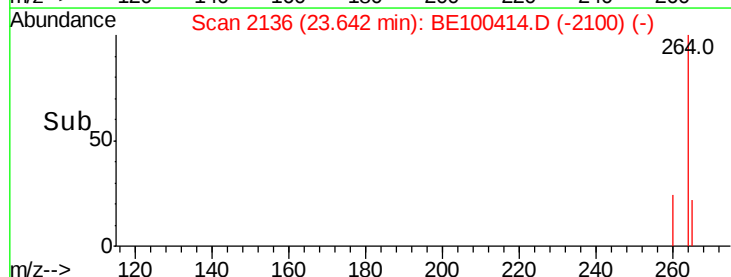
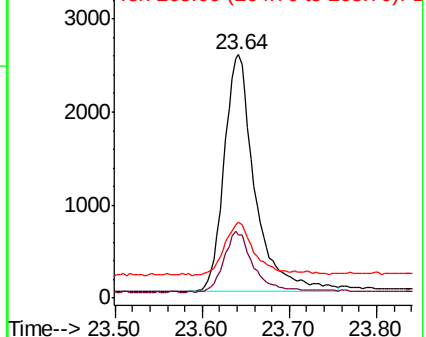
264 100

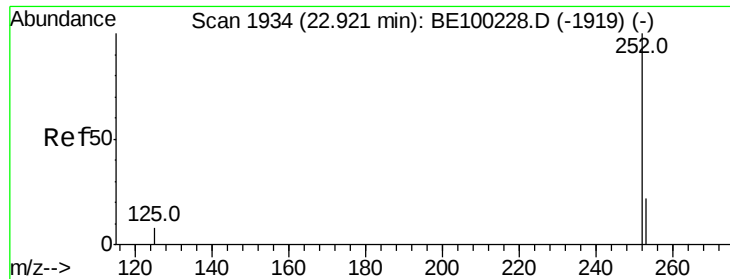
260 26.0 20.8 31.2

265 30.9 21.8 32.6



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

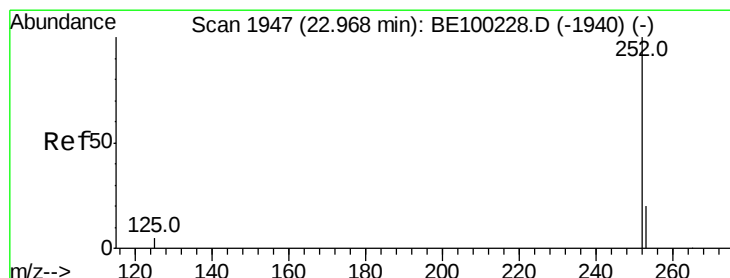
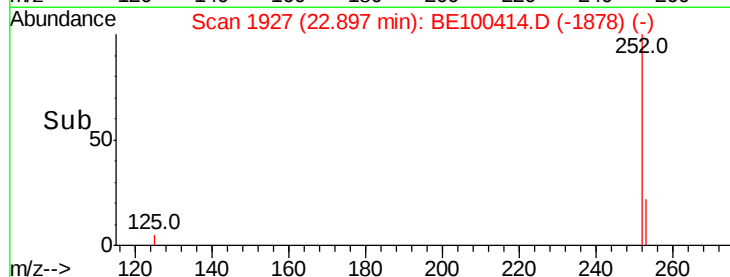
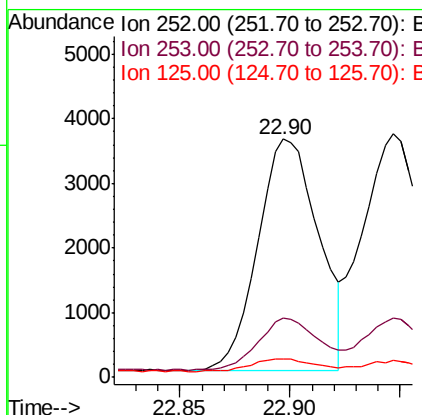
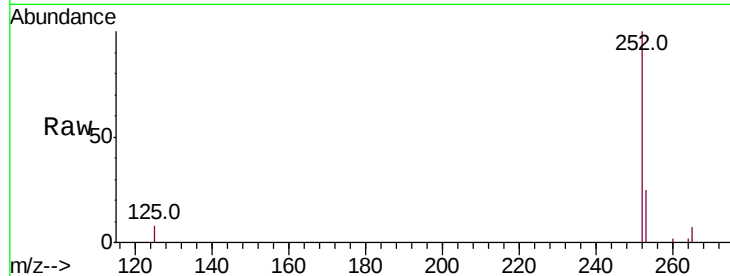




#35  
Benzo(b)fluoranthene  
Concen: 0.403 ng  
RT: 22.90 min Scan# 1927  
Delta R.T. -0.02 min  
Lab File: BE100414.D  
Acq: 8 Jul 2019 16:29

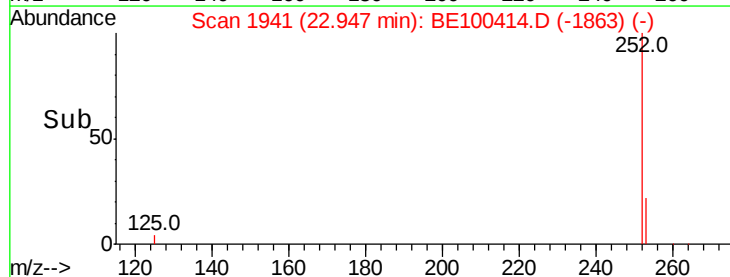
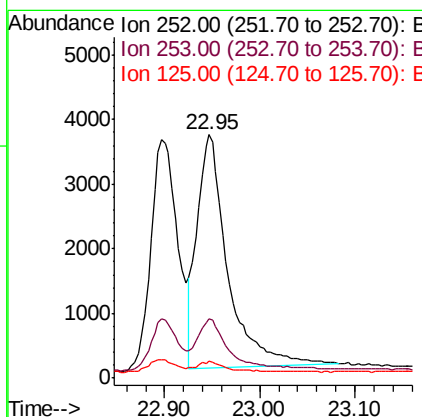
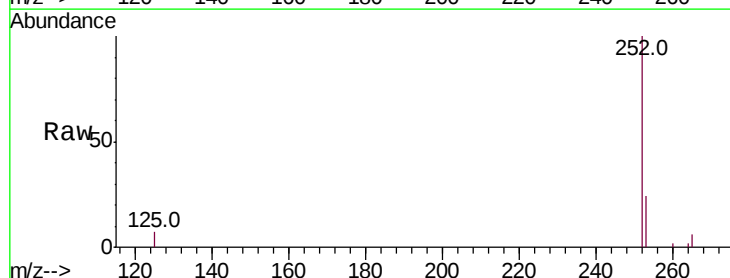
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

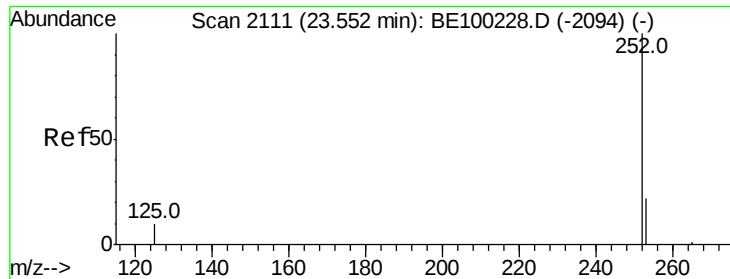
Tot Ion:252 Resp: 6868  
Ion Ratio Lower Upper  
252 100  
253 24.7 19.2 28.8  
125 7.7 7.4 11.0



#36  
Benzo(k)fluoranthene  
Concen: 0.426 ng  
RT: 22.95 min Scan# 1941  
Delta R.T. -0.02 min  
Lab File: BE100414.D  
Acq: 8 Jul 2019 16:29

Tgt Ion:252 Resp: 8089  
Ion Ratio Lower Upper  
252 100  
253 24.4 17.9 26.9  
125 6.8 5.0 7.4





#37

Benzo(a)pyrene

Concen: 0.421 ng

RT: 23.53 min Scan# 2105

Delta R.T. -0.02 min

Lab File: BE100414.D

Acq: 8 Jul 2019 16:29

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

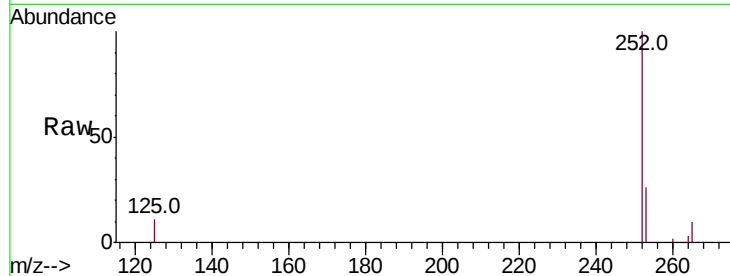
Tot Ion:252 Resp: 7178

Ion Ratio Lower Upper

252 100

253 25.6 19.6 29.4

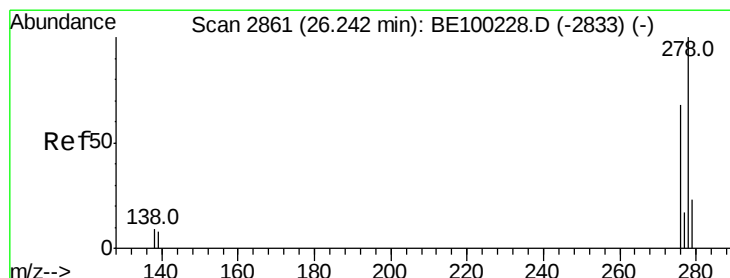
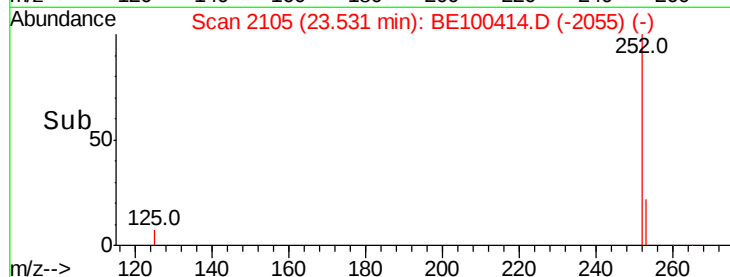
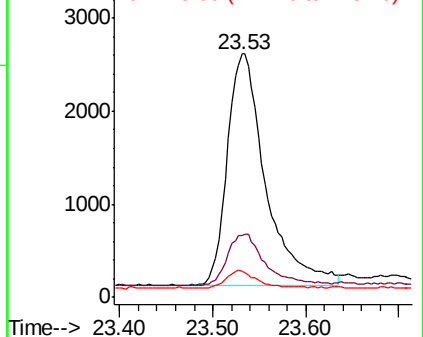
125 10.8 9.0 13.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.405 ng

RT: 26.20 min Scan# 2849

Delta R.T. -0.04 min

Lab File: BE100414.D

Acq: 8 Jul 2019 16:29

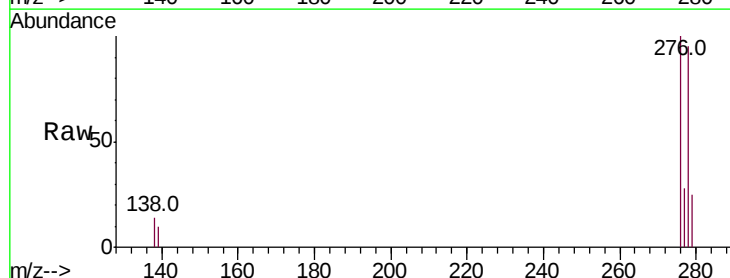
Tgt Ion:278 Resp: 7224

Ion Ratio Lower Upper

278 100

139 10.7 8.2 12.2

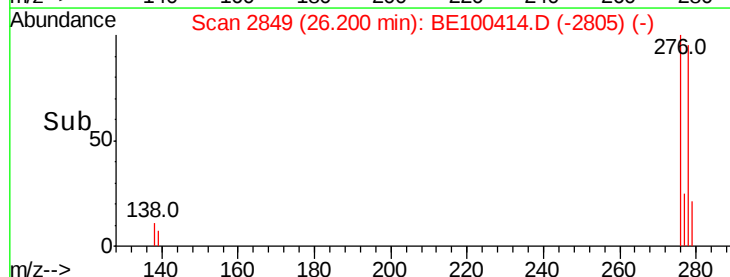
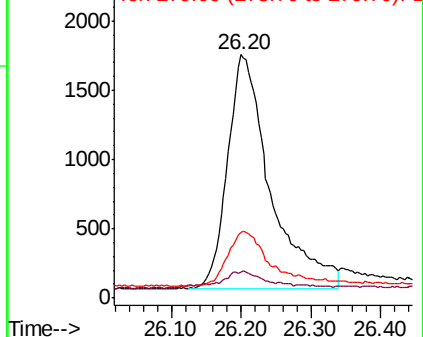
279 26.7 20.3 30.5

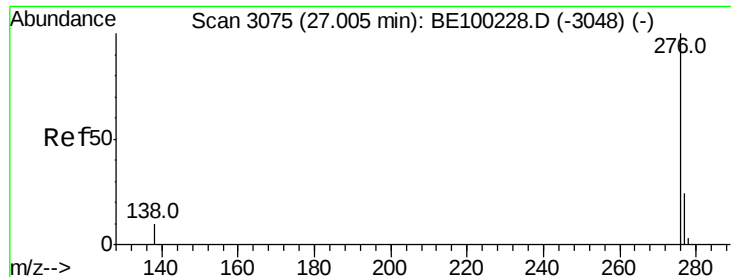


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.465 ng

RT: 26.96 min Scan# 3063

Delta R.T. -0.04 min

Lab File: BE100414.D

Acq: 8 Jul 2019 16:29

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

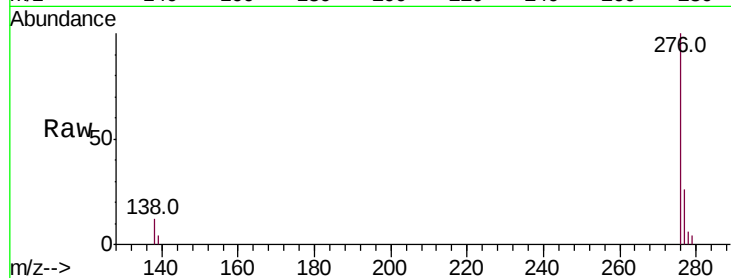
Tot Ion: 276 Resp: 8521

Ion Ratio Lower Upper

276 100

277 26.1 20.2 30.2

138 12.2 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

