

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE062019\  
 Data File : BE100101.D  
 Acq On : 20 Jun 2019 10:11  
 Operator : JU/SJ  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

Quant Time: Jun 21 01:42:53 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE061919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 19 15:07:24 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.72  | 152  | 468      | 0.40 | ng    | -0.01    |
| 7) Naphthalene-d8         | 10.54 | 136  | 1787     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.41 | 164  | 1560     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.16 | 188  | 5356     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.34 | 240  | 8344     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.83 | 264  | 10053    | 0.40 | ng    | -0.01    |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 4) 2-Fluorophenol           | 5.29  | 112 | 482   | 0.50 | ng | -0.01 |
| 5) Phenol-d6                | 6.93  | 99  | 571   | 0.43 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 8.93  | 82  | 644   | 0.37 | ng | 0.01  |
| 11) 2-Methylnaphthalene-d10 | 12.15 | 152 | 1385  | 0.41 | ng | 0.00  |
| 14) 2,4,6-Tribromophenol    | 15.92 | 330 | 361   | 0.42 | ng | 0.00  |
| 15) 2-Fluorobiphenyl        | 13.04 | 172 | 2540  | 0.41 | ng | 0.00  |
| 25) Fluoranthene-d10        | 19.20 | 212 | 31877 | 0.42 | ng | 0.00  |
| 29) Terphenyl-d14           | 19.79 | 244 | 6925  | 0.42 | ng | -0.01 |

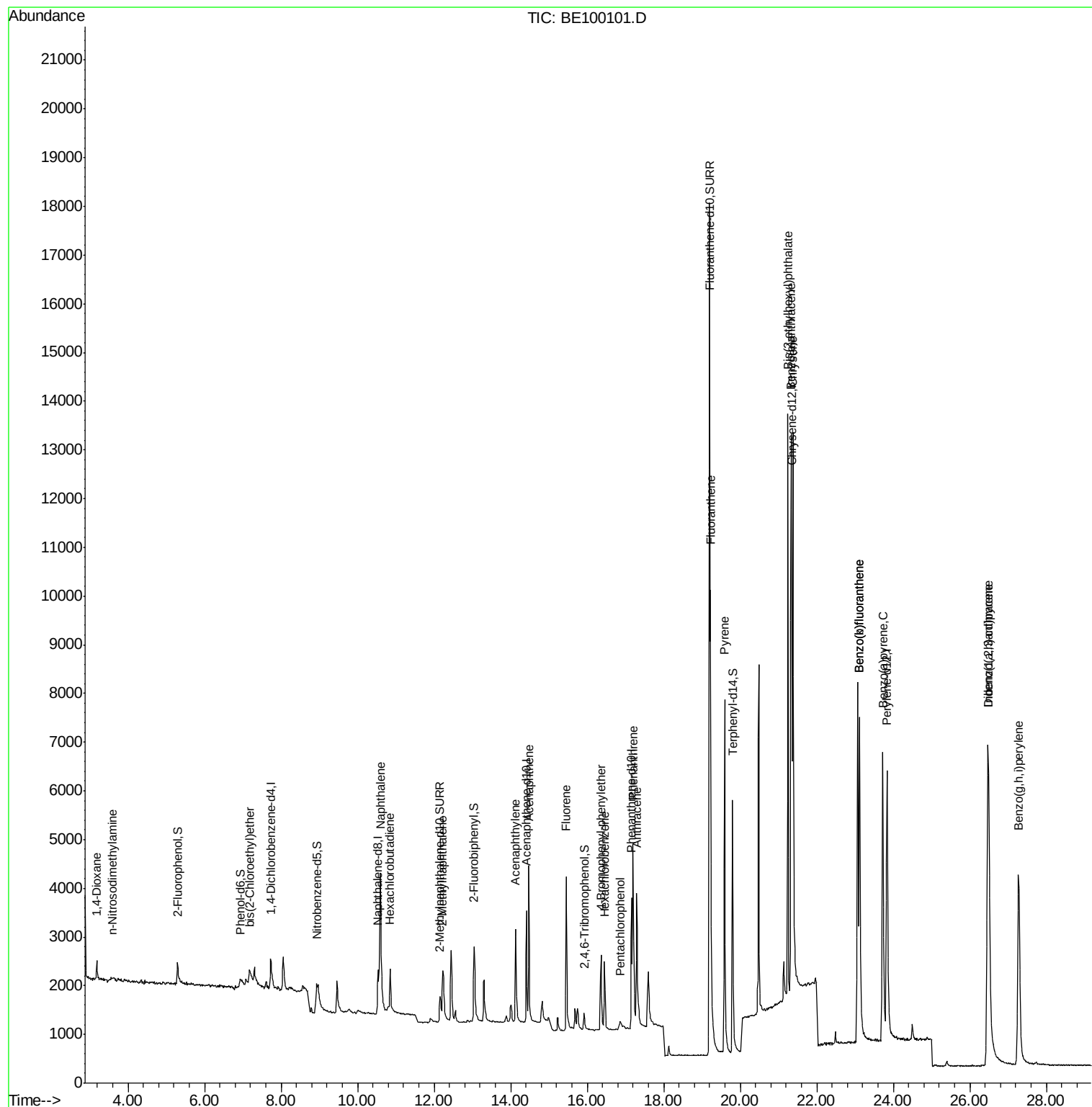
|                                |       |     |       |        |    |       |
|--------------------------------|-------|-----|-------|--------|----|-------|
| Target Compounds               |       |     |       | Qvalue |    |       |
| 2) 1,4-Dioxane                 | 3.19  | 88  | 290   | 0.386  | ng | 93    |
| 3) n-Nitrosodimethylamine      | 3.58  | 42  | 108   | 0.560  | ng | # 100 |
| 6) bis(2-Chloroethyl)ether     | 7.18  | 93  | 511   | 0.405  | ng | # 64  |
| 9) Naphthalene                 | 10.59 | 128 | 7862  | 0.405  | ng | 99    |
| 10) Hexachlorobutadiene        | 10.85 | 225 | 733   | 0.384  | ng | 97    |
| 12) 2-Methylnaphthalene        | 12.22 | 142 | 1288  | 0.403  | ng | 99    |
| 16) Acenaphthylene             | 14.12 | 152 | 3020  | 0.408  | ng | 99    |
| 17) Acenaphthene               | 14.47 | 154 | 1742  | 0.421  | ng | 94    |
| 18) Fluorene                   | 15.45 | 166 | 2550  | 0.414  | ng | 98    |
| 20) 4-Bromophenyl-phenylether  | 16.36 | 248 | 1293  | 0.406  | ng | 91    |
| 21) Hexachlorobenzene          | 16.45 | 284 | 1316  | 0.375  | ng | 96    |
| 22) Pentachlorophenol          | 16.85 | 266 | 297   | 0.502  | ng | 91    |
| 23) Phenanthrene               | 17.20 | 178 | 4965  | 0.387  | ng | 99    |
| 24) Anthracene                 | 17.29 | 178 | 4238  | 0.392  | ng | 100   |
| 26) Fluoranthene               | 19.23 | 202 | 8484  | 0.412  | ng | 100   |
| 28) Pyrene                     | 19.59 | 202 | 8764  | 0.409  | ng | 100   |
| 30) Benzo(a)anthracene         | 21.33 | 228 | 10173 | 0.410  | ng | 97    |
| 31) Chrysene                   | 21.38 | 228 | 11602 | 0.402  | ng | 99    |
| 32) Bis(2-ethylhexyl)phthalate | 21.25 | 149 | 12655 | 0.540  | ng | 99    |
| 33) Indeno(1,2,3-cd)pyrene     | 26.47 | 276 | 13796 | 0.425  | ng | # 95  |
| 35) Benzo(b)fluoranthene       | 23.11 | 252 | 12603 | 0.427  | ng | 98    |
| 36) Benzo(k)fluoranthene       | 23.11 | 252 | 12816 | 0.382  | ng | 99    |
| 37) Benzo(a)pyrene             | 23.72 | 252 | 11229 | 0.394  | ng | 99    |
| 38) Dibenzo(a,h)anthracene     | 26.50 | 278 | 10984 | 0.376  | ng | 100   |
| 39) Benzo(g,h,i)perylene       | 27.27 | 276 | 11287 | 0.372  | ng | 98    |

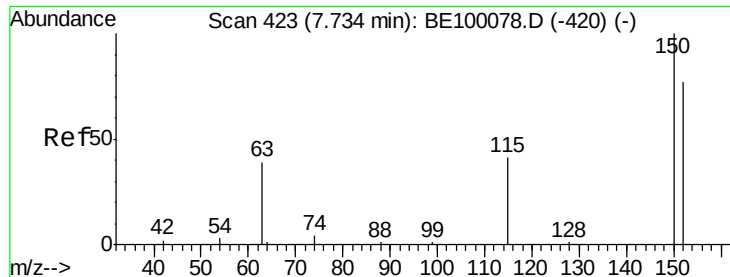
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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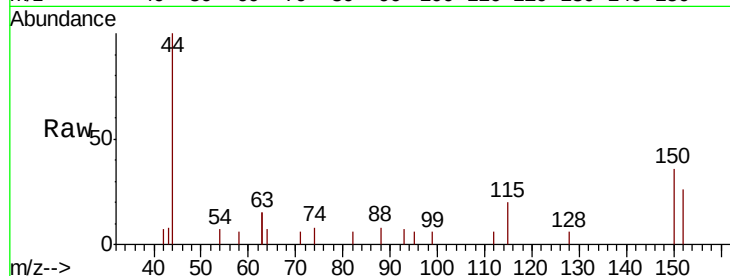


#1

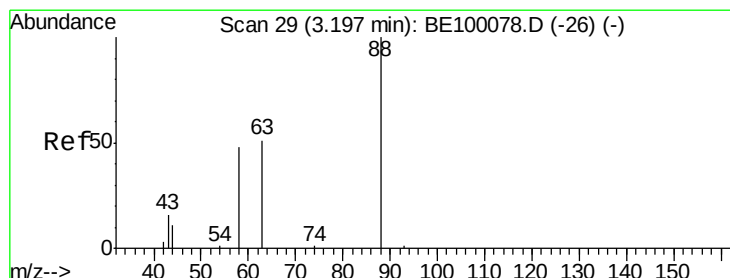
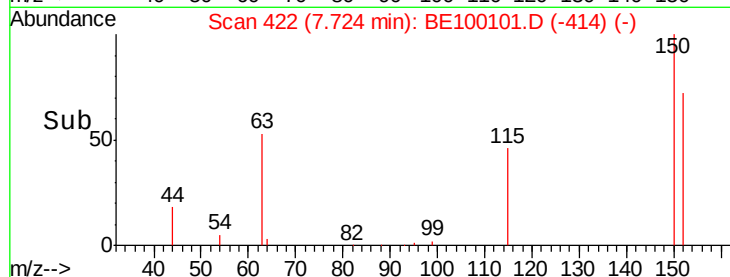
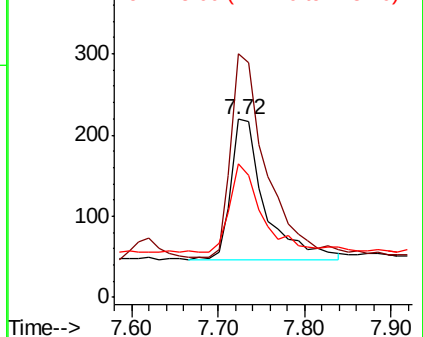
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.72 min Scan# 422  
Delta R.T. -0.01 min  
Lab File: BE100101.D  
Acq: 20 Jun 2019 10:11

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

Tgt Ion: 152 Resp: 468  
Ion Ratio Lower Upper  
152 100  
150 137.0 99.8 149.8  
115 74.9 51.3 76.9



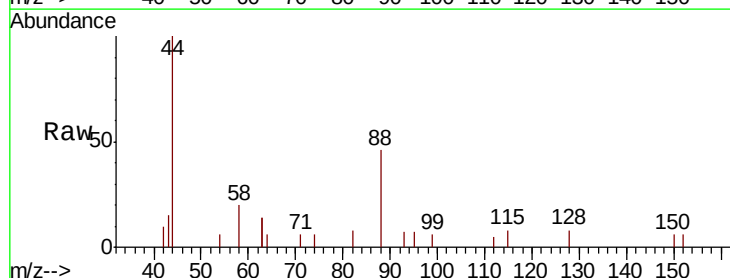
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



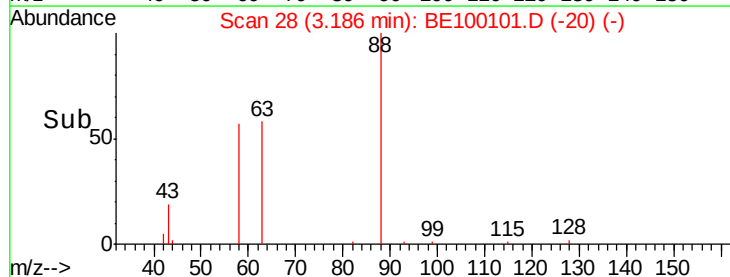
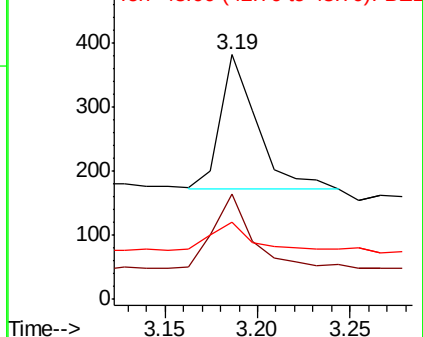
#2

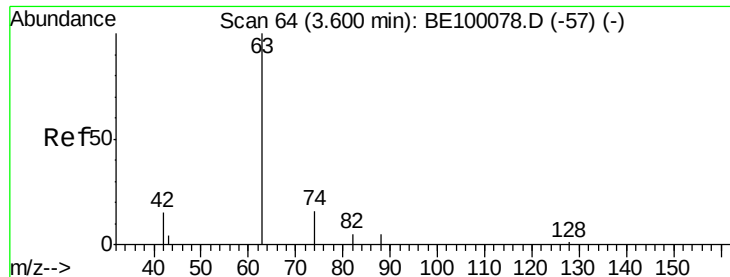
1,4-Dioxane  
Concen: 0.386 ng  
RT: 3.19 min Scan# 28  
Delta R.T. -0.01 min  
Lab File: BE100101.D  
Acq: 20 Jun 2019 10:11

Tgt Ion: 88 Resp: 290  
Ion Ratio Lower Upper  
88 100  
58 57.9 51.1 76.7  
43 23.4 21.7 32.5



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: 0.560 ng

RT: 3.58 min Scan# 62

Delta R.T. -0.02 min

Lab File: BE100101.D

Acq: 20 Jun 2019 10:11

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

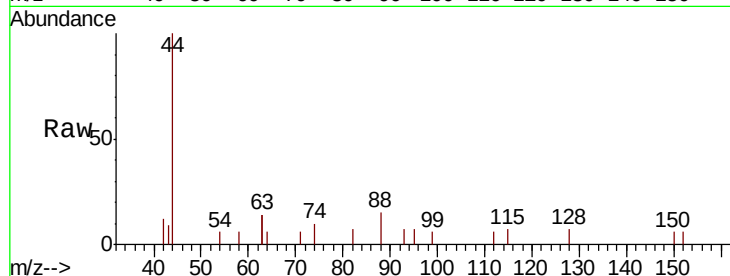
Tgt Ion: 42 Resp: 108

Ion Ratio Lower Upper

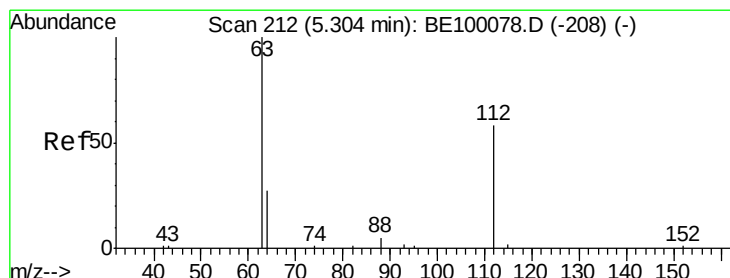
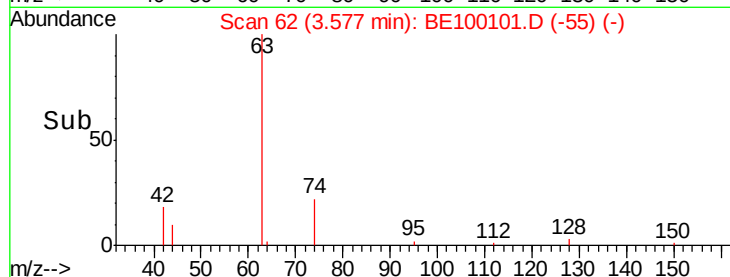
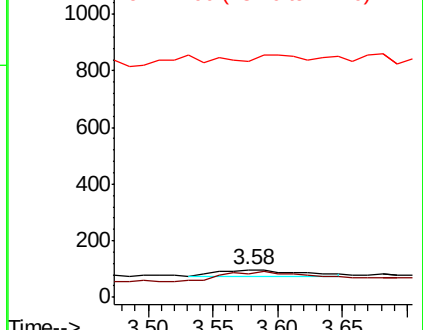
42 100

74 0.0 0.0 0.0

44 0.0 0.0 0.0



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: 0.496 ng

RT: 5.29 min Scan# 211

Delta R.T. -0.01 min

Lab File: BE100101.D

Acq: 20 Jun 2019 10:11

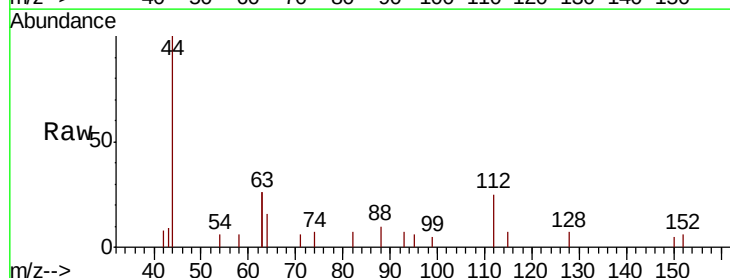
Tgt Ion: 112 Resp: 482

Ion Ratio Lower Upper

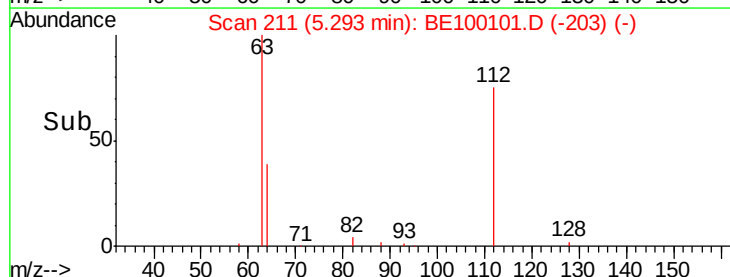
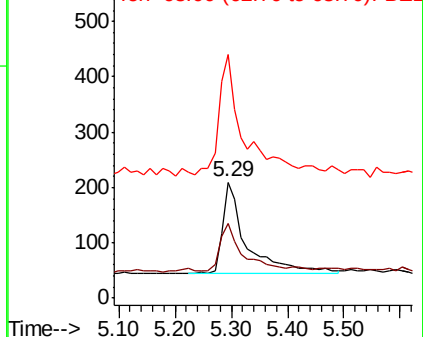
112 100

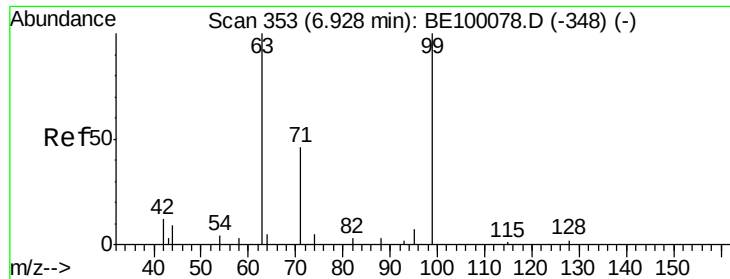
64 49.0 22.0 33.0#

63 141.9 121.8 182.6



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: 0.428 ng

RT: 6.93 min Scan# 353

Delta R.T. 0.00 min

Lab File: BE100101.D

Acq: 20 Jun 2019 10:11

Instrument :

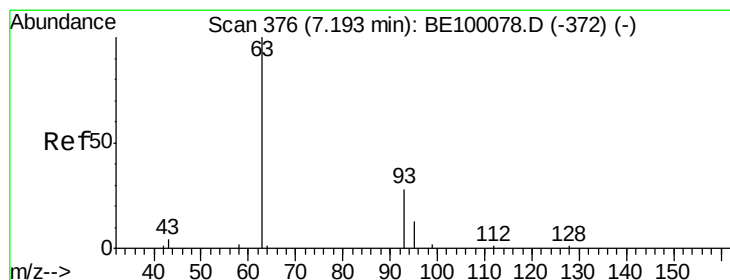
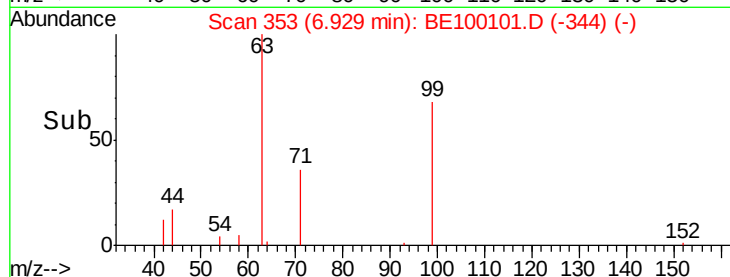
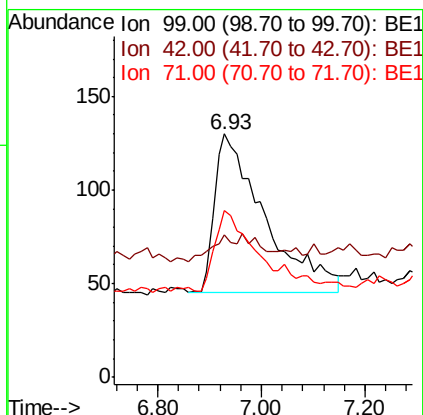
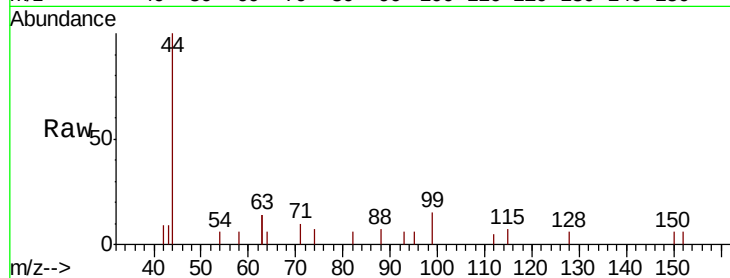
BNA\_E

ClientSampleId :

SSTDCCC0.4

Tgt Ion: 99 Resp: 571

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 7.4   | 0.0   | 0.0#  |
| 71  | 44.5  | 37.6  | 56.4  |



#6

bis(2-Chloroethyl)ether

Concen: 0.405 ng

RT: 7.18 min Scan# 375

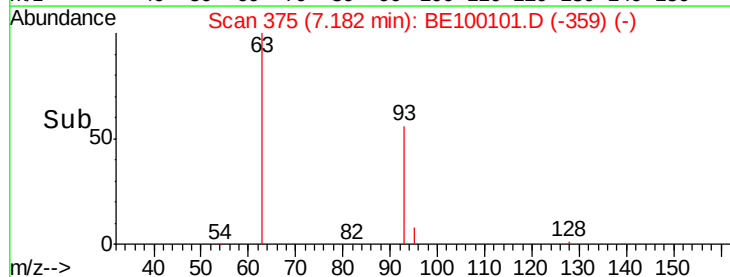
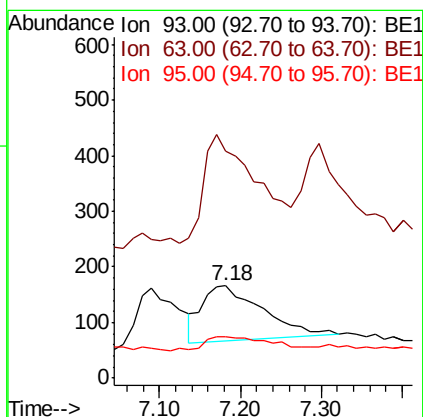
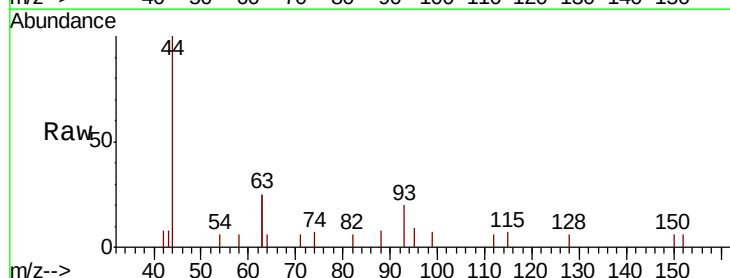
Delta R.T. -0.01 min

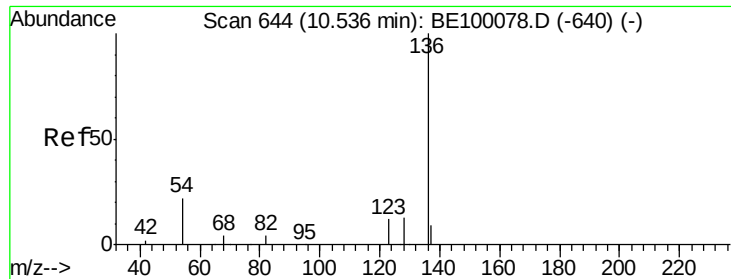
Lab File: BE100101.D

Acq: 20 Jun 2019 10:11

Tgt Ion: 93 Resp: 511

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 93  | 100   |       |        |
| 63  | 179.1 | 200.0 | 300.0# |
| 95  | 29.2  | 24.0  | 36.0   |





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.54 min Scan# 644

Delta R.T. -0.00 min

Lab File: BE100101.D

Acq: 20 Jun 2019 10:11

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

Tgt Ion: 136 Resp: 1787

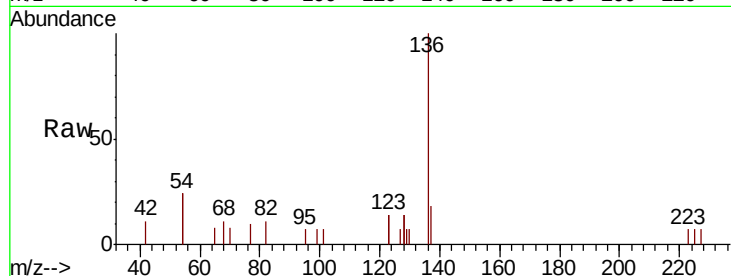
Ion Ratio Lower Upper

136 100

137 17.6 11.6 17.4#

54 47.2 33.9 50.9

68 11.1 7.8 11.8

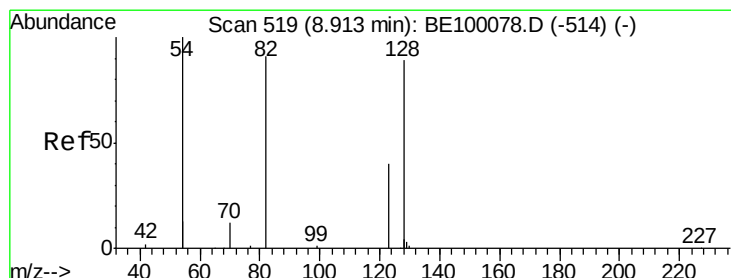
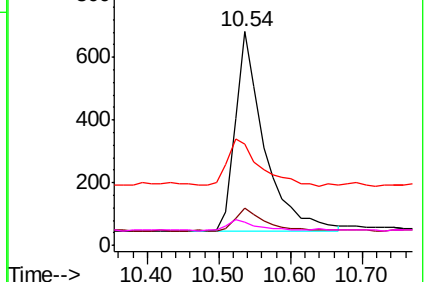
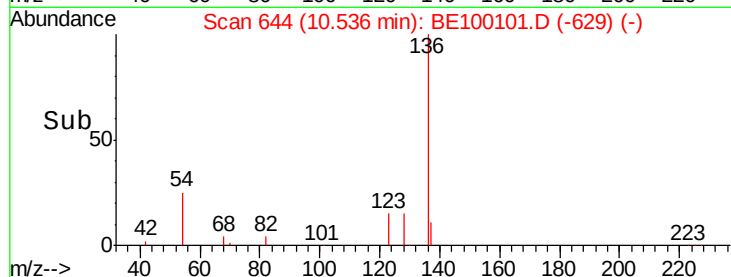


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.372 ng

RT: 8.93 min Scan# 520

Delta R.T. 0.01 min

Lab File: BE100101.D

Acq: 20 Jun 2019 10:11

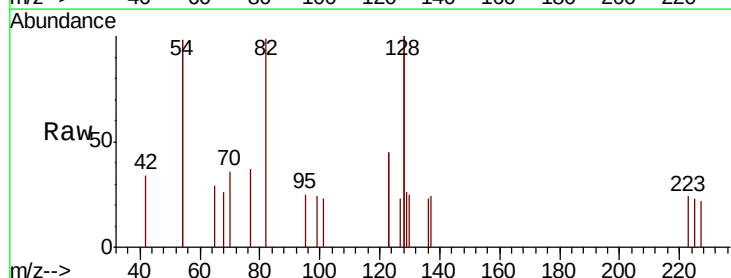
Tgt Ion: 82 Resp: 644

Ion Ratio Lower Upper

82 100

128 203.0 128.0 192.0#

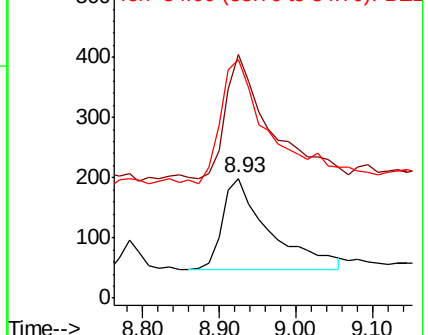
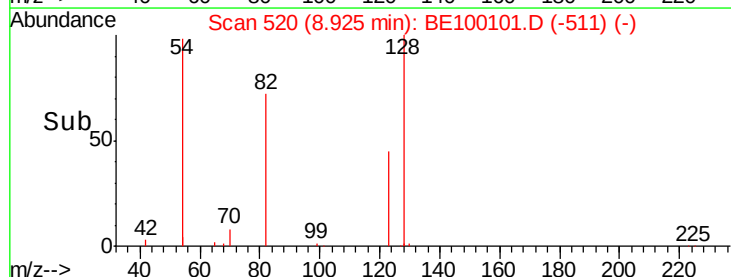
54 199.0 143.4 215.0

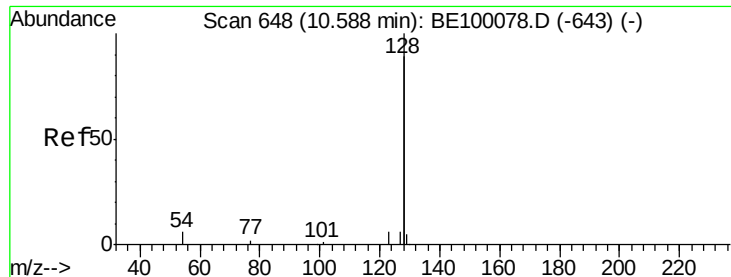


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1

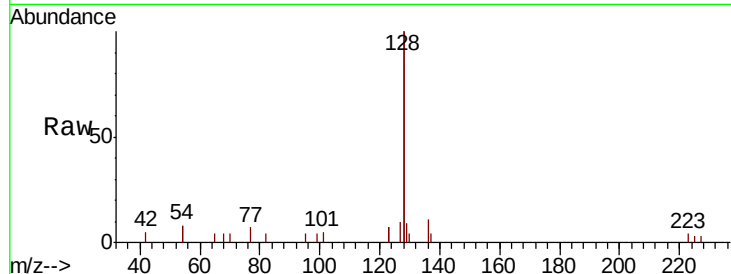




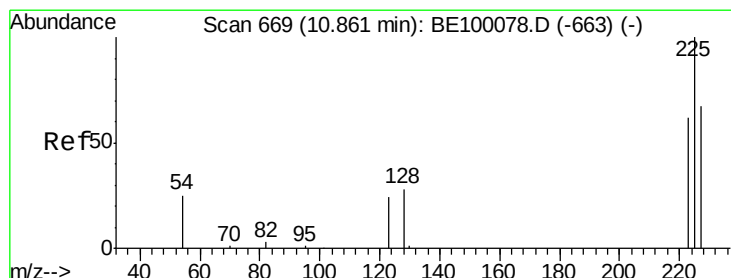
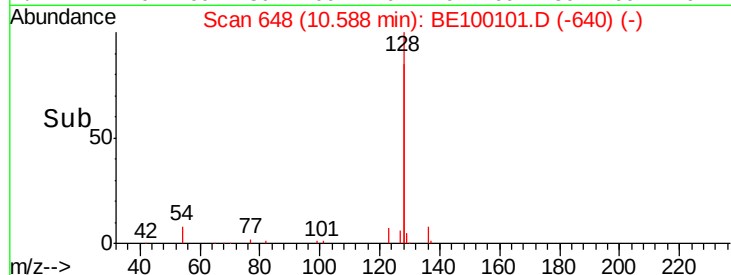
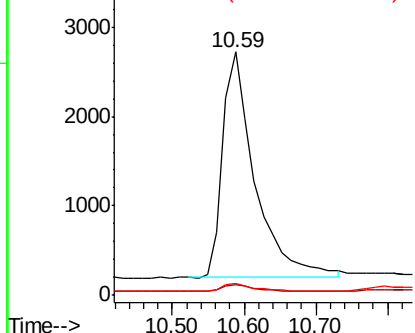
#9  
Naphthalene  
Concen: 0.405 ng  
RT: 10.59 min Scan# 648  
Delta R.T. -0.00 min  
Lab File: BE100101.D  
Acq: 20 Jun 2019 10:11

Instrument :  
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ClientSampleId :  
SSTDCCC0.4

Tgt Ion:128 Resp: 7862  
Ion Ratio Lower Upper  
128 100  
129 4.3 3.1 4.7  
127 4.8 3.4 5.2

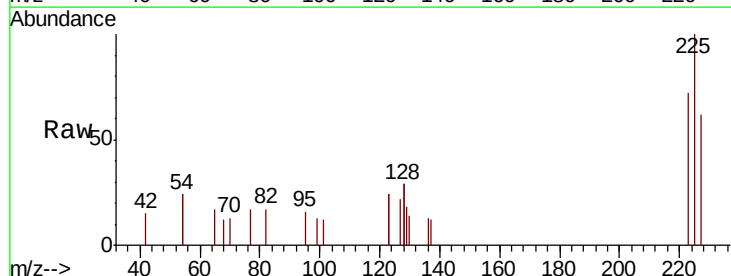


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

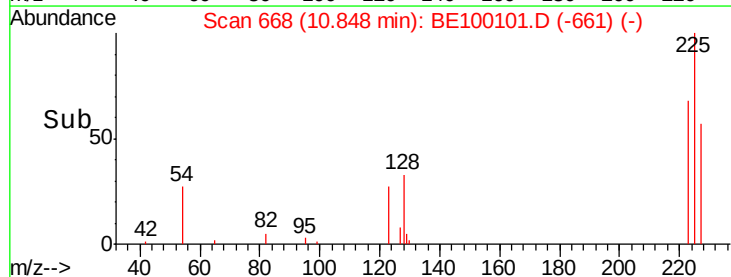
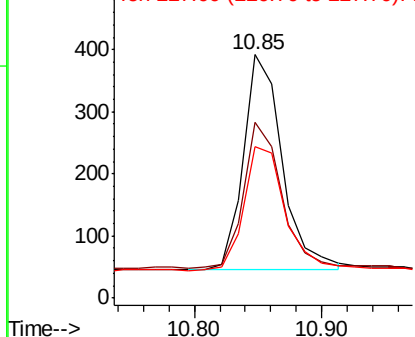


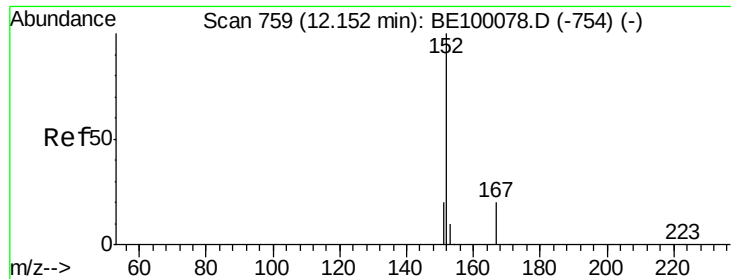
#10  
Hexachlorobutadiene  
Concen: 0.384 ng  
RT: 10.85 min Scan# 668  
Delta R.T. -0.01 min  
Lab File: BE100101.D  
Acq: 20 Jun 2019 10:11

Tgt Ion:225 Resp: 733  
Ion Ratio Lower Upper  
225 100  
223 66.7 52.2 78.4  
227 62.5 53.0 79.6



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

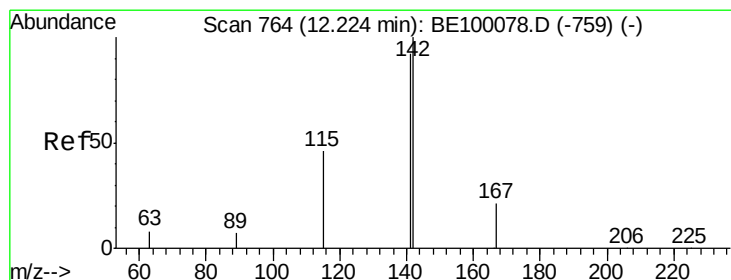
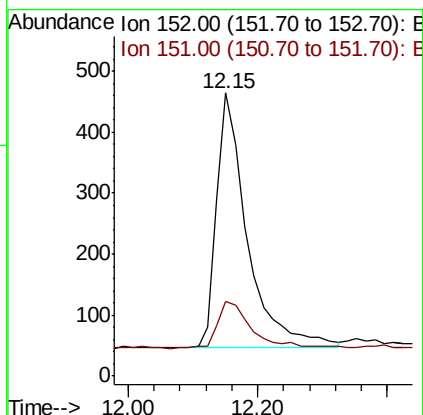
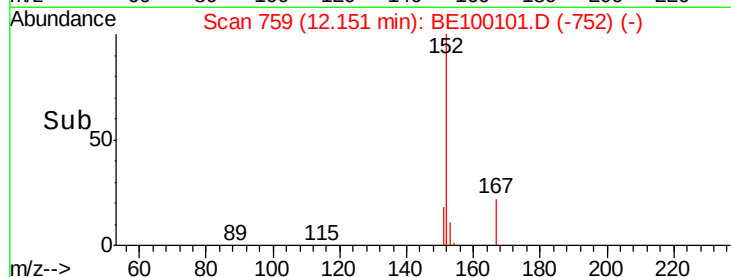
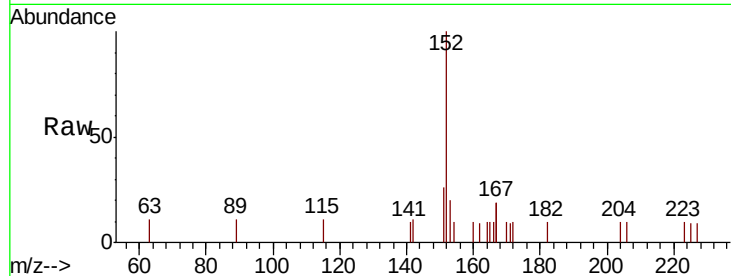




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.407 ng  
 RT: 12.15 min Scan# 759  
 Delta R.T. -0.00 min  
 Lab File: BE100101.D  
 Acq: 20 Jun 2019 10:11

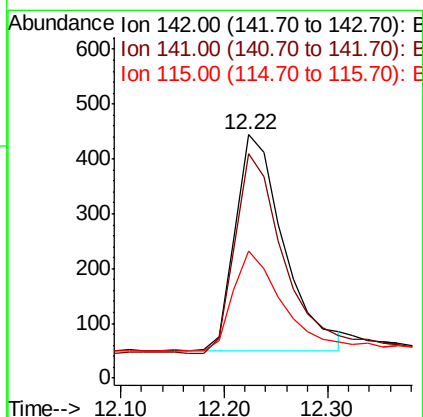
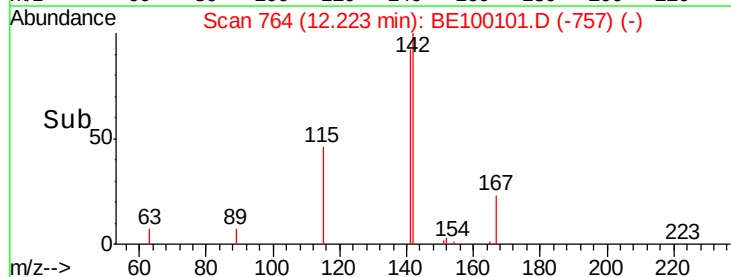
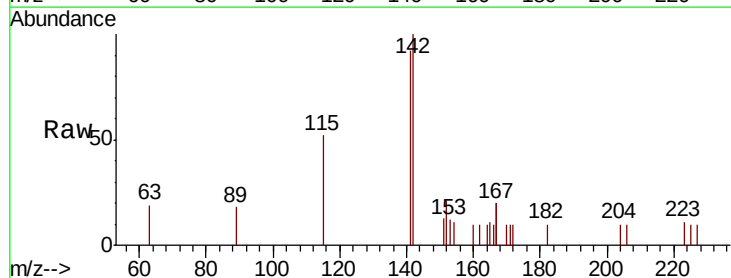
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

Tgt Ion:152 Resp: 1385  
 Ion Ratio Lower Upper  
 152 100  
 151 19.9 16.3 24.5

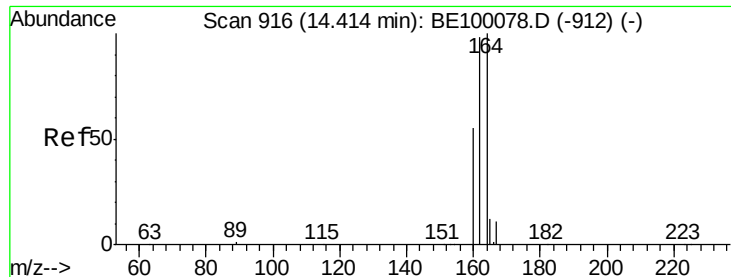


#12  
 2-Methylnaphthalene  
 Concen: 0.403 ng  
 RT: 12.22 min Scan# 764  
 Delta R.T. -0.00 min  
 Lab File: BE100101.D  
 Acq: 20 Jun 2019 10:11

Tgt Ion:142 Resp: 1288  
 Ion Ratio Lower Upper  
 142 100  
 141 92.3 74.1 111.1  
 115 52.5 40.9 61.3



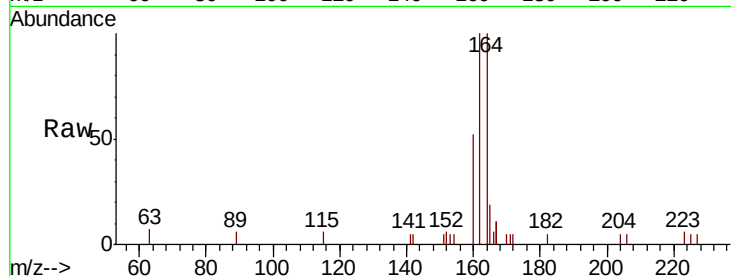




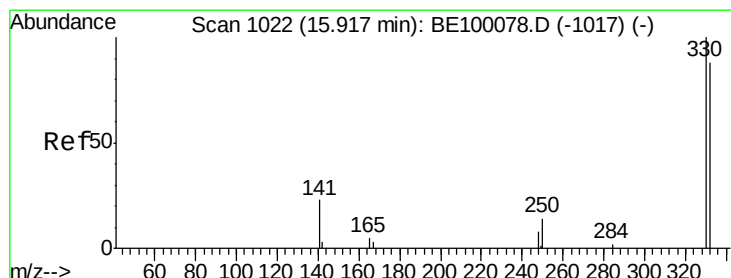
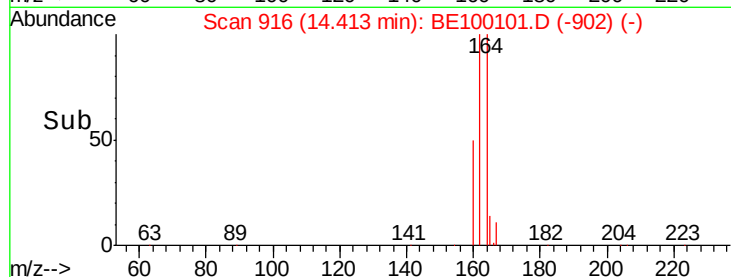
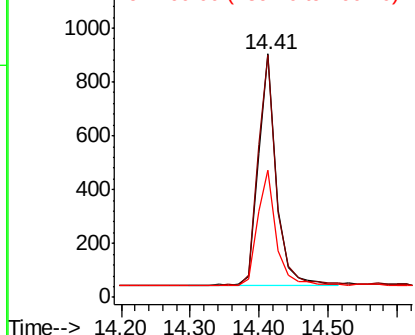
#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.41 min Scan# 916  
 Delta R.T. -0.00 min  
 Lab File: BE100101.D  
 Acq: 20 Jun 2019 10:11

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

Tgt Ion:164 Resp: 1560  
 Ion Ratio Lower Upper  
 164 100  
 162 99.8 78.2 117.2  
 160 52.4 45.6 68.4

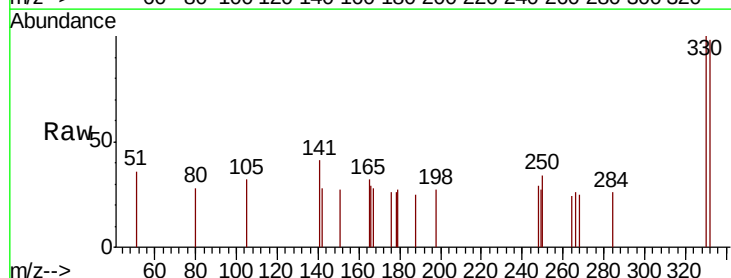


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

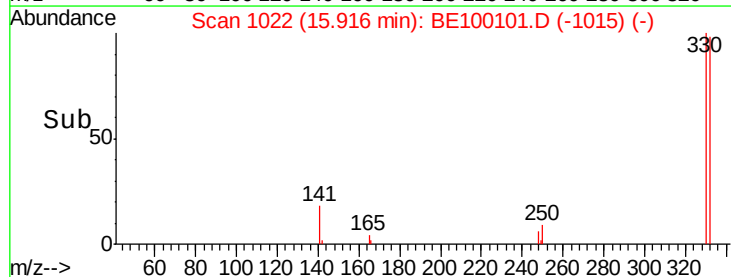
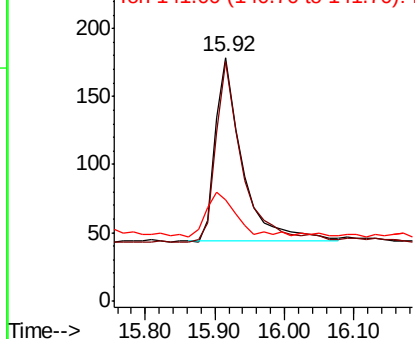


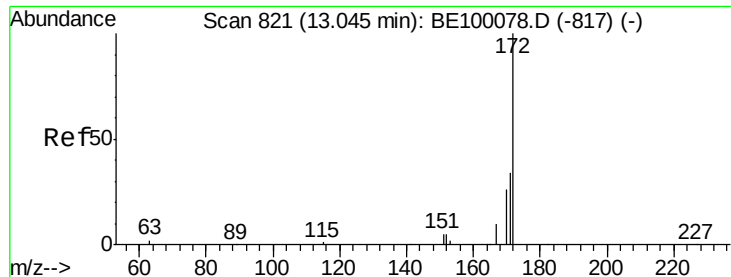
#14  
 2,4,6-Tribromophenol  
 Concen: 0.419 ng  
 RT: 15.92 min Scan# 1022  
 Delta R.T. -0.00 min  
 Lab File: BE100101.D  
 Acq: 20 Jun 2019 10:11

Tgt Ion:330 Resp: 361  
 Ion Ratio Lower Upper  
 330 100  
 332 98.9 73.3 109.9  
 141 27.7 22.2 33.2



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

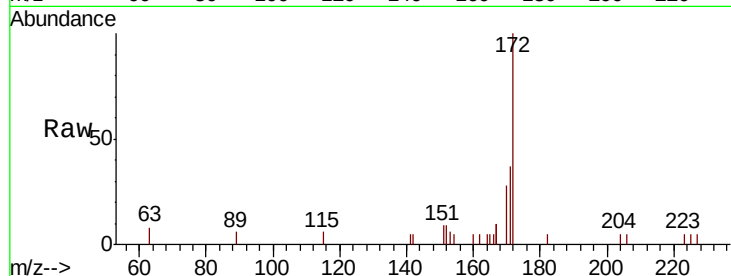




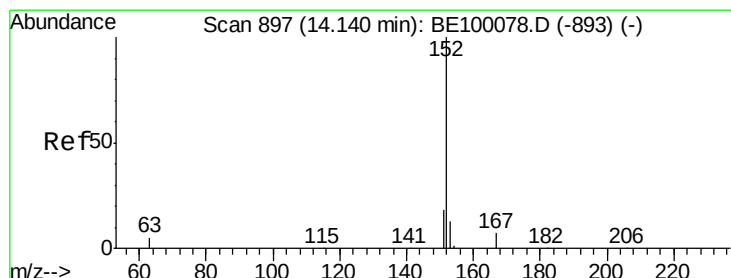
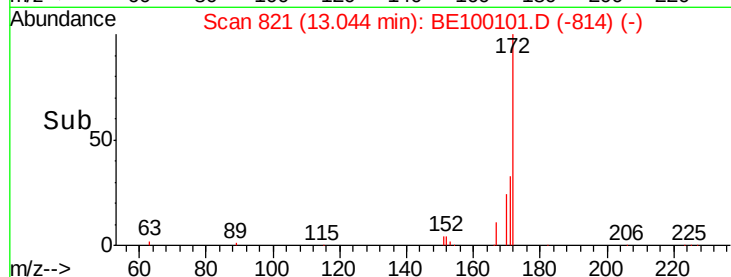
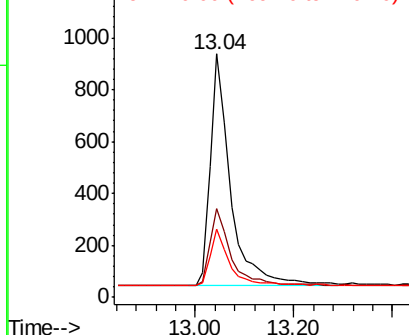
#15  
2-Fluorobiphenyl  
Concen: 0.414 ng  
RT: 13.04 min Scan# 821  
Delta R.T. -0.00 min  
Lab File: BE100101.D  
Acq: 20 Jun 2019 10:11

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

Tgt Ion:172 Resp: 2540  
Ion Ratio Lower Upper  
172 100  
171 36.7 29.8 44.8  
170 27.9 23.2 34.8

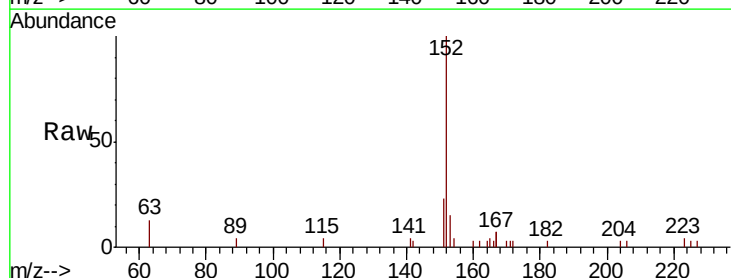


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

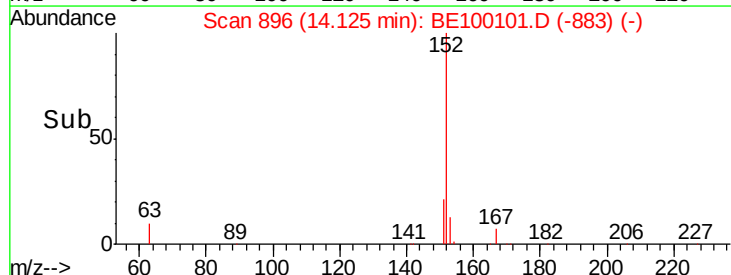
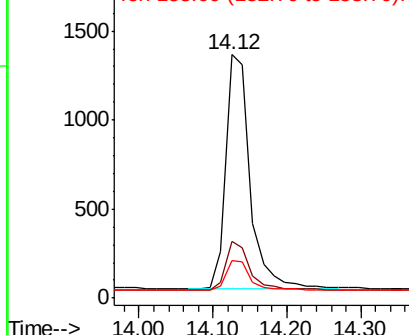


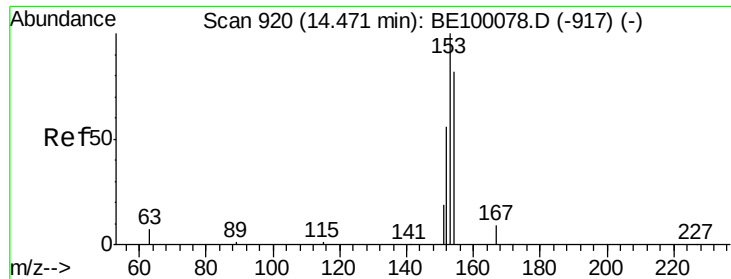
#16  
Acenaphthylene  
Concen: 0.408 ng  
RT: 14.12 min Scan# 896  
Delta R.T. -0.01 min  
Lab File: BE100101.D  
Acq: 20 Jun 2019 10:11

Tgt Ion:152 Resp: 3020  
Ion Ratio Lower Upper  
152 100  
151 20.6 15.9 23.9  
153 12.5 10.1 15.1



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

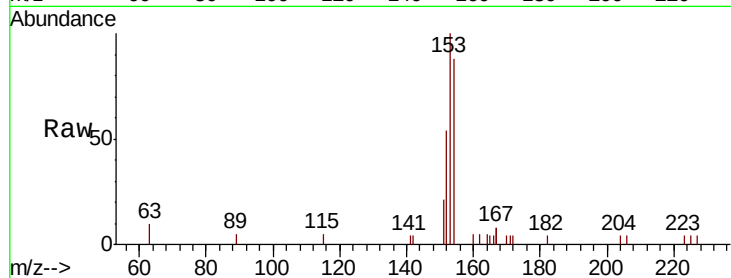




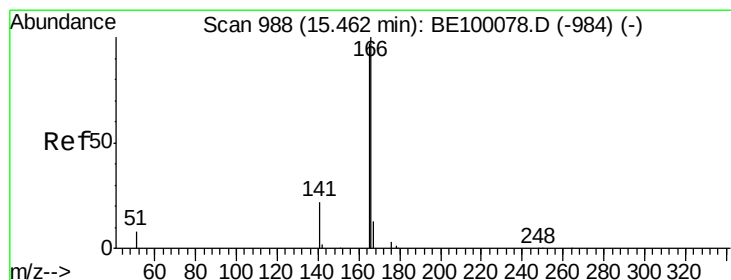
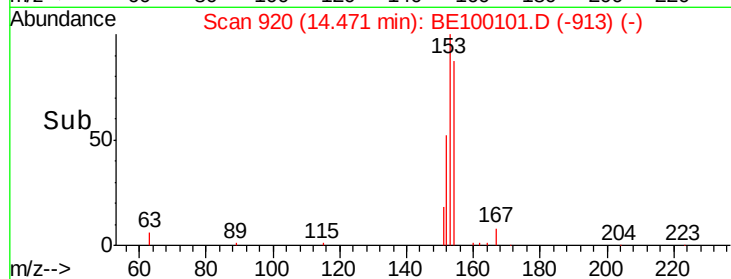
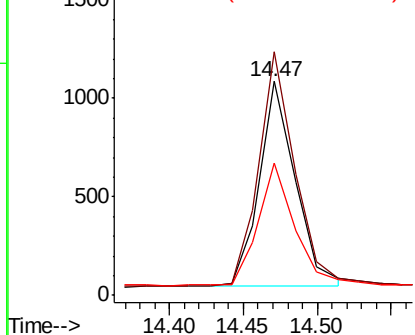
#17  
Acenaphthene  
Concen: 0.421 ng  
RT: 14.47 min Scan# 920  
Delta R.T. -0.00 min  
Lab File: BE100101.D  
Acq: 20 Jun 2019 10:11

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

Tgt Ion:154 Resp: 1742  
Ion Ratio Lower Upper  
154 100  
153 114.8 95.5 143.3  
152 60.8 54.9 82.3

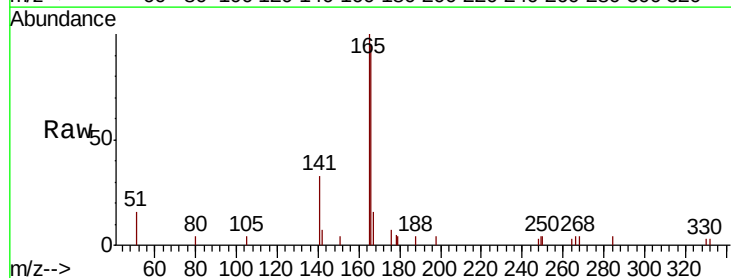


Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E

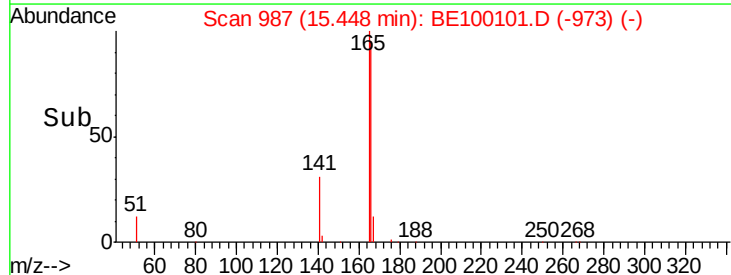
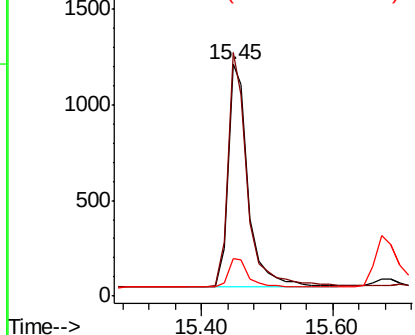


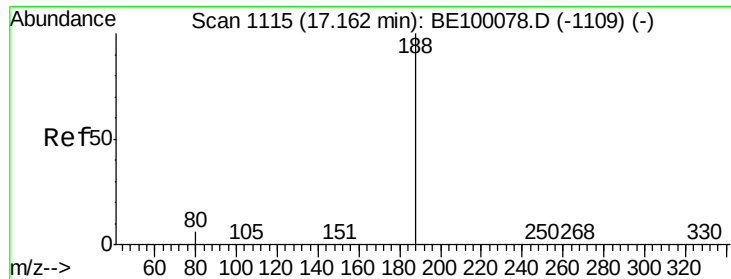
#18  
Fluorene  
Concen: 0.414 ng  
RT: 15.45 min Scan# 987  
Delta R.T. -0.01 min  
Lab File: BE100101.D  
Acq: 20 Jun 2019 10:11

Tgt Ion:166 Resp: 2550  
Ion Ratio Lower Upper  
166 100  
165 101.8 79.8 119.8  
167 13.5 10.2 15.4



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

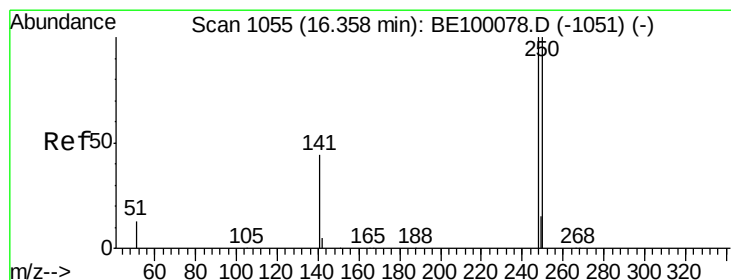
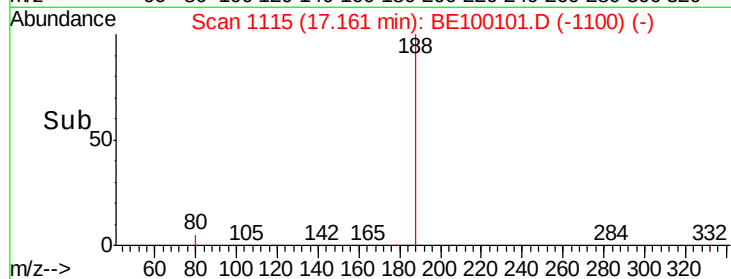
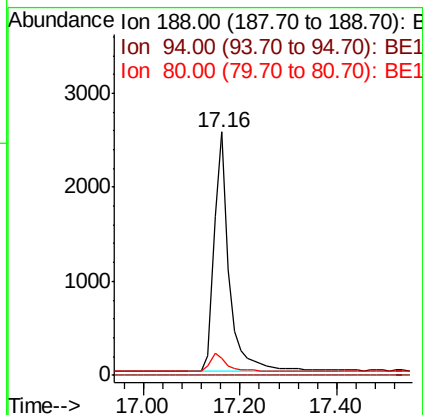
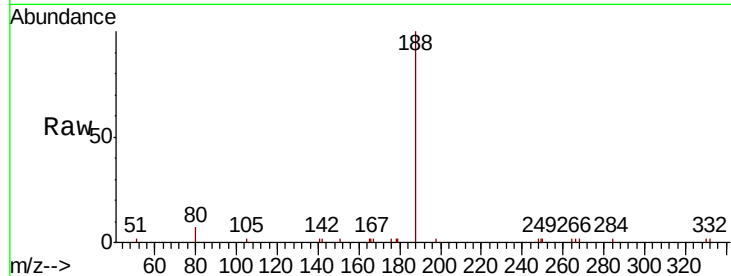




#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.16 min Scan# 1115  
Delta R.T. -0.00 min  
Lab File: BE100101.D  
Acq: 20 Jun 2019 10:11

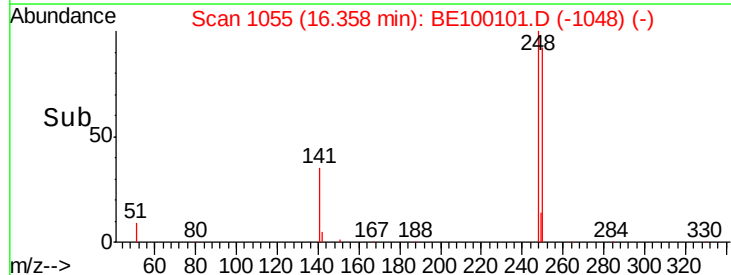
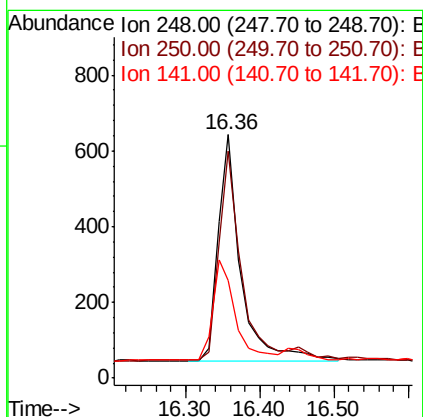
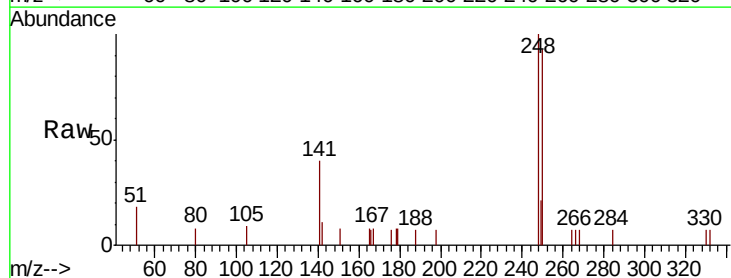
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

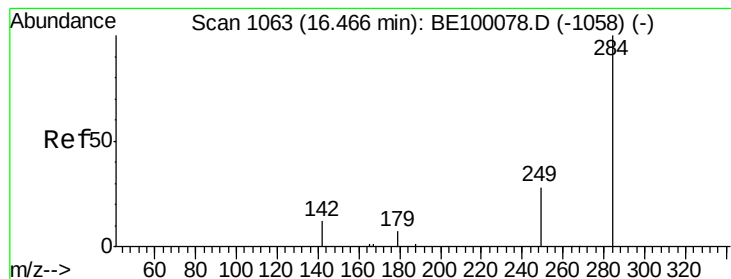
Tgt Ion:188 Resp: 5356  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 6.8 6.3 9.5



#20  
4-Bromophenyl-phenylether  
Concen: 0.406 ng  
RT: 16.36 min Scan# 1055  
Delta R.T. -0.00 min  
Lab File: BE100101.D  
Acq: 20 Jun 2019 10:11

Tgt Ion:248 Resp: 1293  
Ion Ratio Lower Upper  
248 100  
250 93.2 80.6 120.8  
141 40.3 38.8 58.2





#21

Hexachlorobenzene

Concen: 0.375 ng

RT: 16.45 min Scan# 1062

Delta R.T. -0.01 min

Lab File: BE100101.D

Acq: 20 Jun 2019 10:11

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

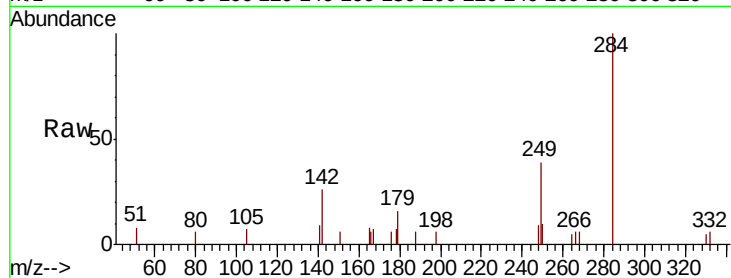
Tgt Ion:284 Resp: 1316

Ion Ratio Lower Upper

284 100

142 22.8 20.7 31.1

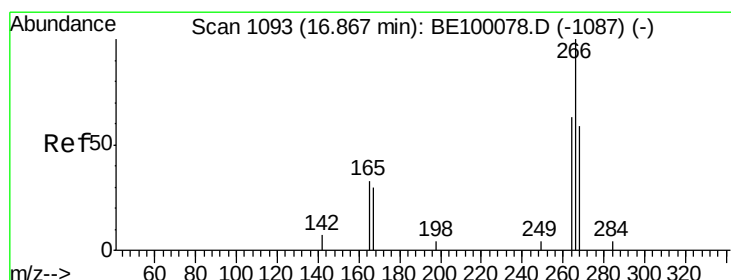
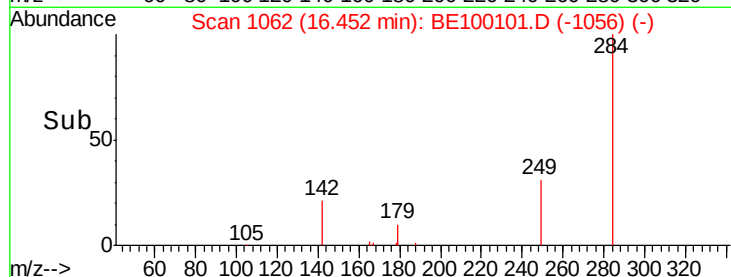
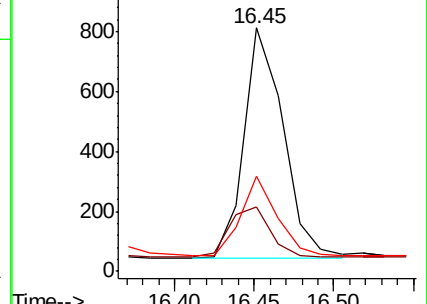
249 32.0 26.6 39.8



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: 0.502 ng

RT: 16.85 min Scan# 1092

Delta R.T. -0.01 min

Lab File: BE100101.D

Acq: 20 Jun 2019 10:11

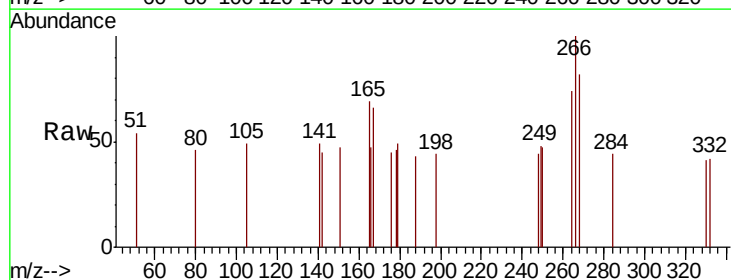
Tgt Ion:266 Resp: 297

Ion Ratio Lower Upper

266 100

264 74.0 67.8 101.6

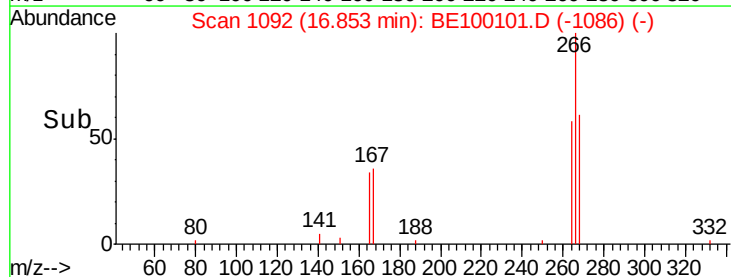
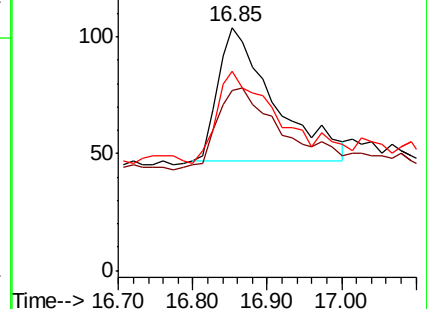
268 81.7 70.0 105.0

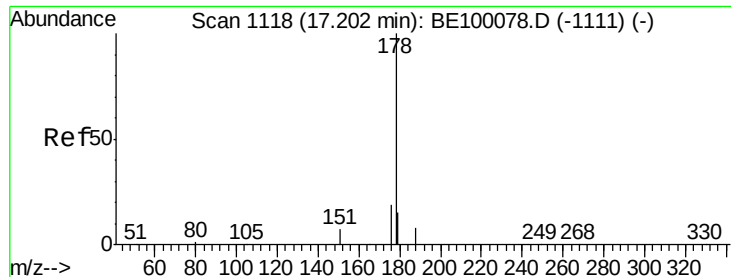


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.387 ng

RT: 17.20 min Scan# 1118

Delta R.T. -0.00 min

Lab File: BE100101.D

Acq: 20 Jun 2019 10:11

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

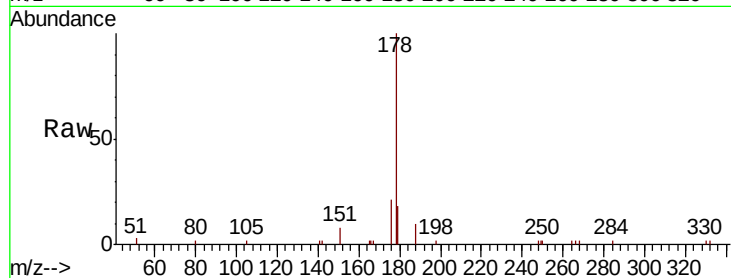
Tgt Ion:178 Resp: 4965

Ion Ratio Lower Upper

178 100

176 19.4 15.9 23.9

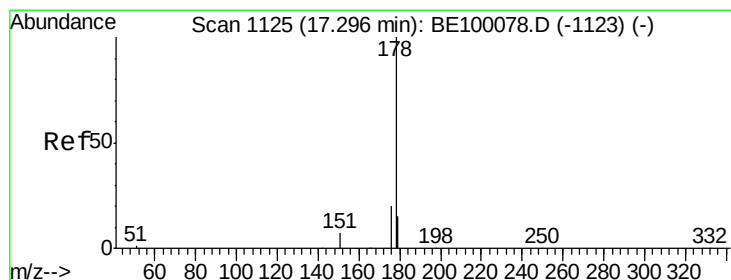
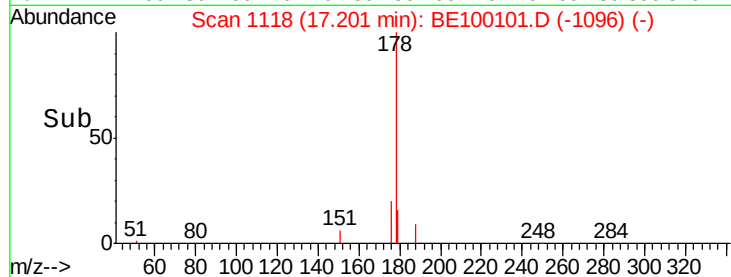
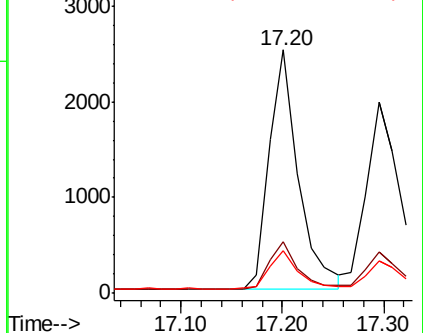
179 15.8 13.1 19.7



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: 0.392 ng

RT: 17.29 min Scan# 1125

Delta R.T. -0.00 min

Lab File: BE100101.D

Acq: 20 Jun 2019 10:11

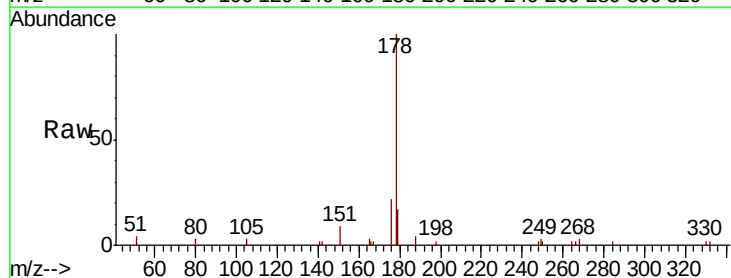
Tgt Ion:178 Resp: 4238

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.6

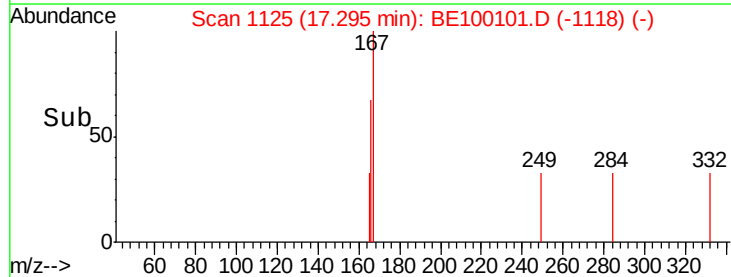
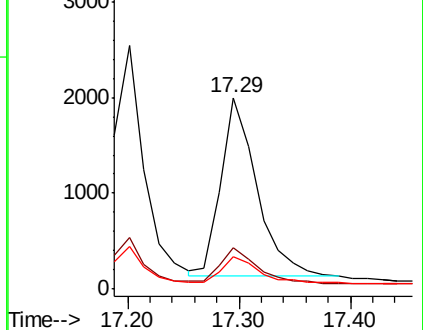
179 14.7 12.0 18.0

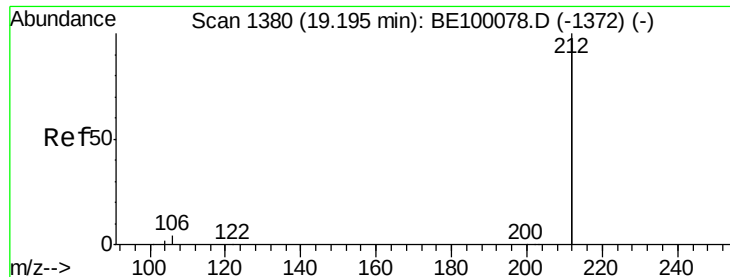


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.416 ng

RT: 19.20 min Scan# 1380

Delta R.T. 0.00 min

Lab File: BE100101.D

Acq: 20 Jun 2019 10:11

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

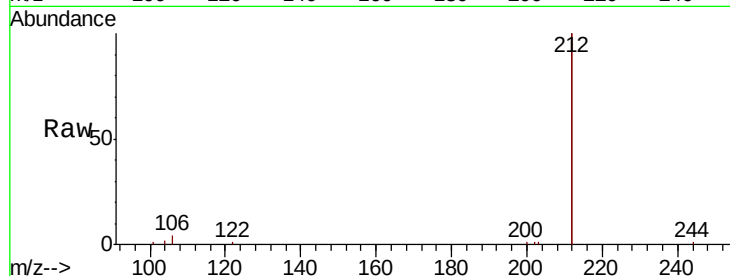
Tgt Ion:212 Resp: 31877

Ion Ratio Lower Upper

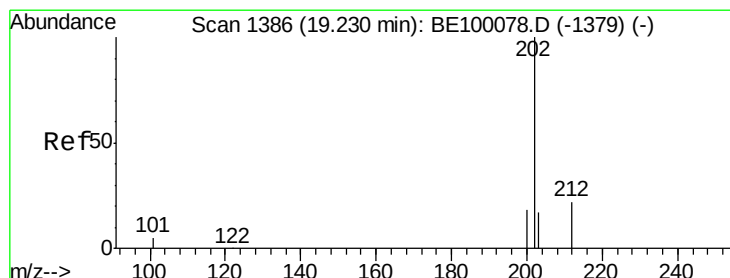
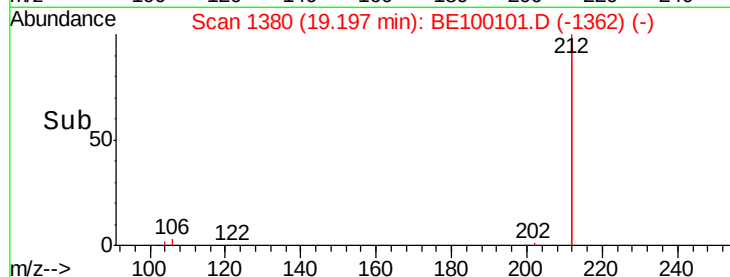
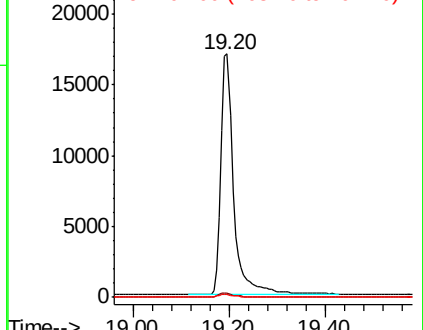
212 100

106 1.7 1.4 2.0

104 1.0 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: 0.412 ng

RT: 19.23 min Scan# 1385

Delta R.T. -0.00 min

Lab File: BE100101.D

Acq: 20 Jun 2019 10:11

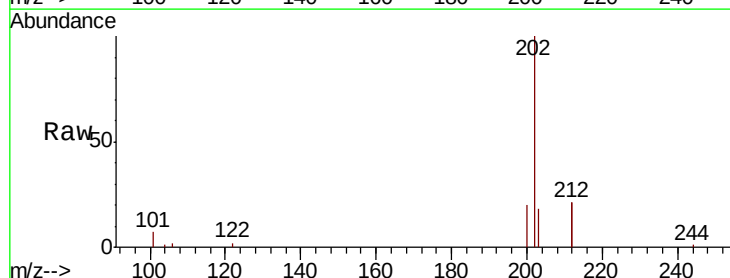
Tgt Ion:202 Resp: 8484

Ion Ratio Lower Upper

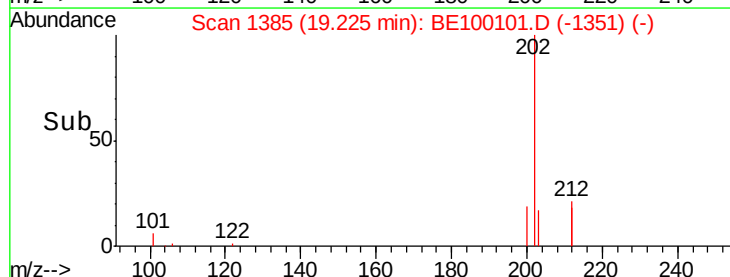
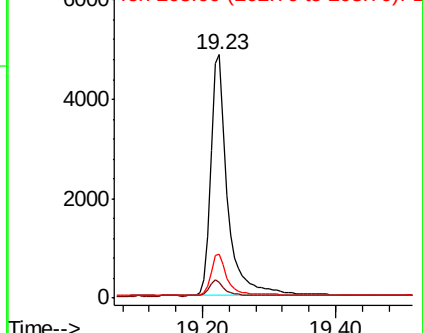
202 100

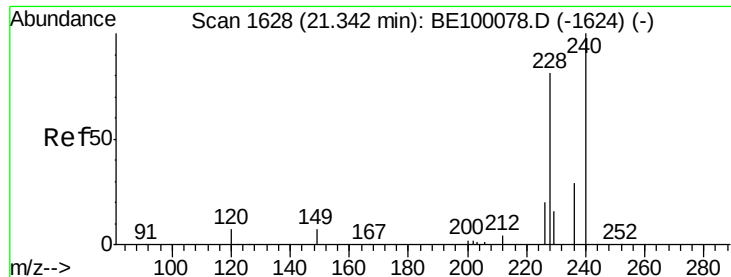
101 6.2 5.0 7.4

203 17.3 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

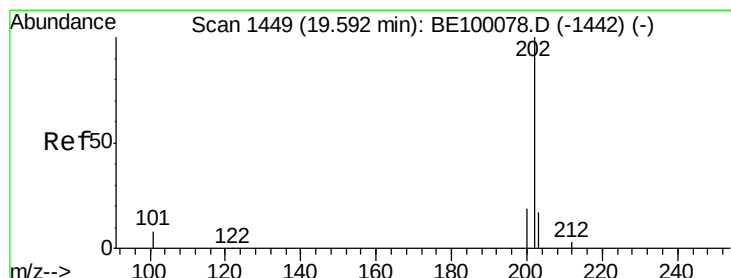
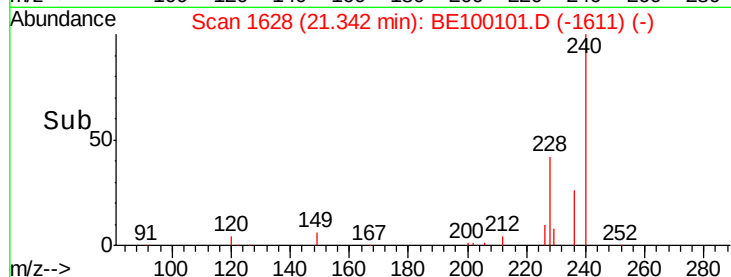
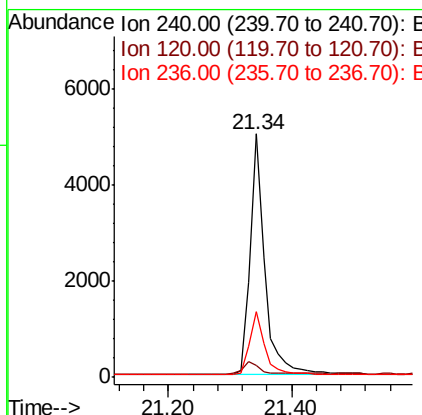
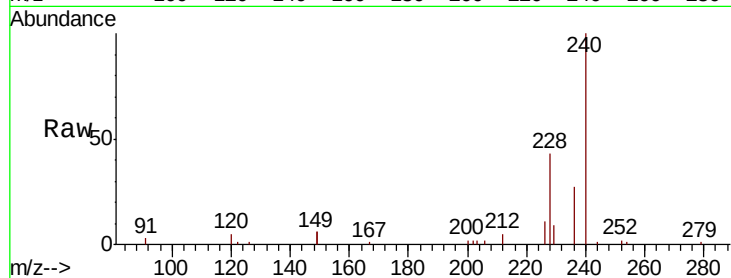




#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.34 min Scan# 1628  
 Delta R.T. 0.00 min  
 Lab File: BE100101.D  
 Acq: 20 Jun 2019 10:11

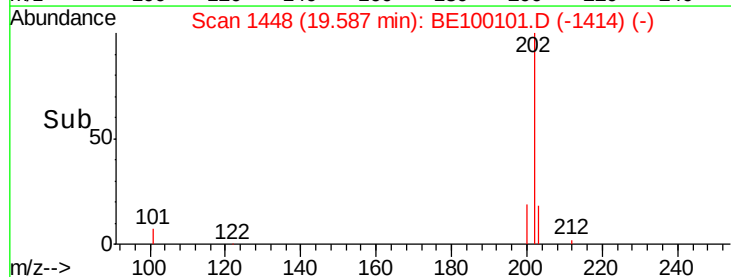
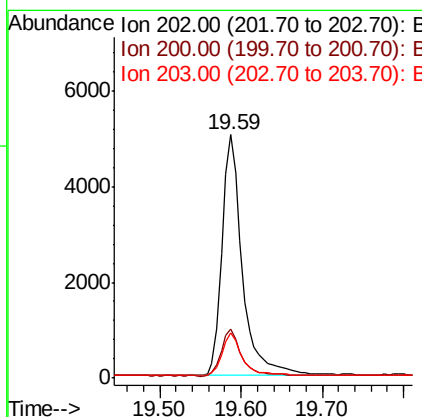
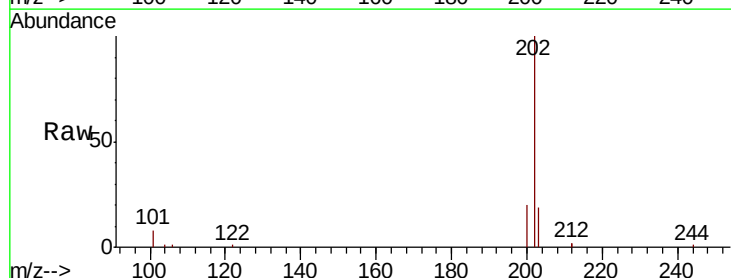
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

Tgt Ion:240 Resp: 8344  
 Ion Ratio Lower Upper  
 240 100  
 120 5.1 6.6 10.0#  
 236 26.9 23.8 35.6

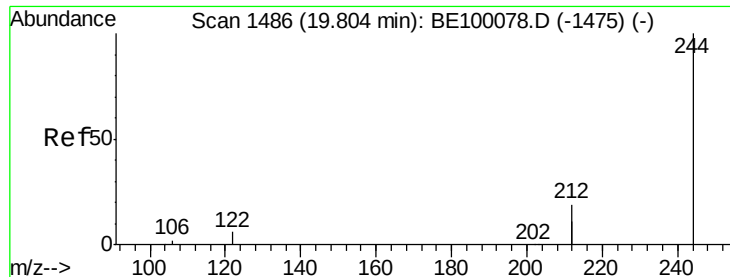


#28  
 Pyrene  
 Concen: 0.409 ng  
 RT: 19.59 min Scan# 1448  
 Delta R.T. -0.00 min  
 Lab File: BE100101.D  
 Acq: 20 Jun 2019 10:11

Tgt Ion:202 Resp: 8764  
 Ion Ratio Lower Upper  
 202 100  
 200 19.5 15.6 23.4  
 203 17.4 13.9 20.9







#29

Terphenyl-d14

Concen: 0.415 ng

RT: 19.79 min Scan# 1484

Delta R.T. -0.01 min

Lab File: BE100101.D

Acq: 20 Jun 2019 10:11

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

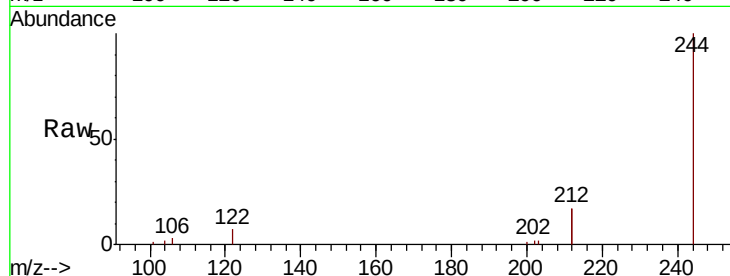
Tgt Ion:244 Resp: 6925

Ion Ratio Lower Upper

244 100

212 34.1 29.8 44.8

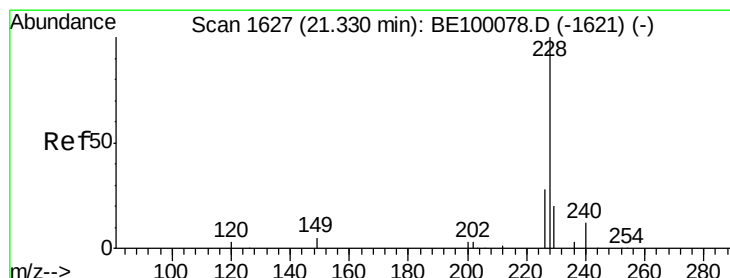
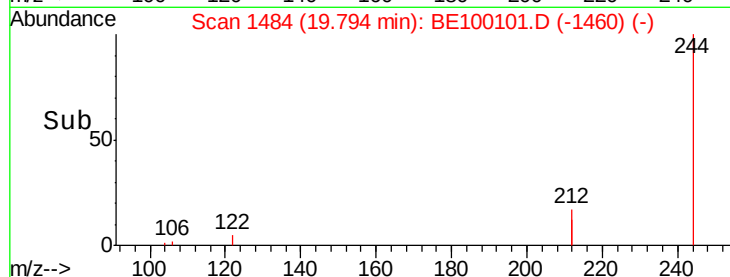
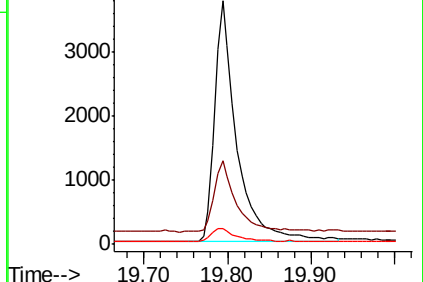
122 6.6 6.1 9.1



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: 0.410 ng

RT: 21.33 min Scan# 1627

Delta R.T. 0.00 min

Lab File: BE100101.D

Acq: 20 Jun 2019 10:11

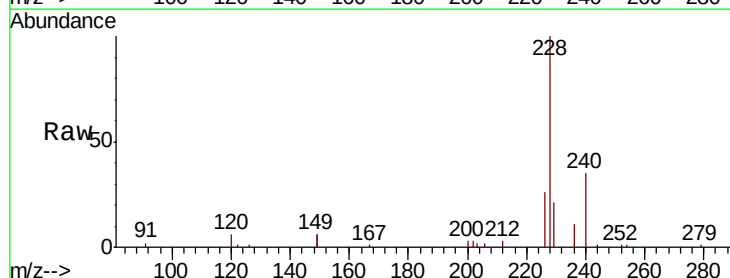
Tgt Ion:228 Resp: 10173

Ion Ratio Lower Upper

228 100

226 26.3 23.0 34.4

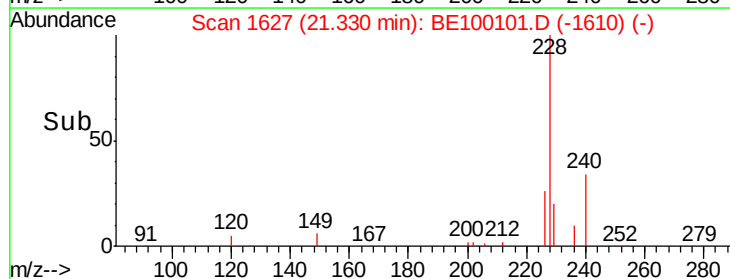
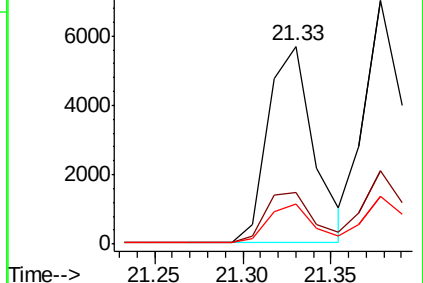
229 20.5 16.4 24.6

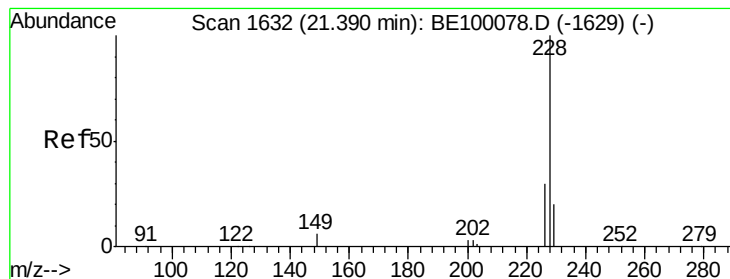


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.402 ng

RT: 21.38 min Scan# 1631

Delta R.T. -0.01 min

Lab File: BE100101.D

Acq: 20 Jun 2019 10:11

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

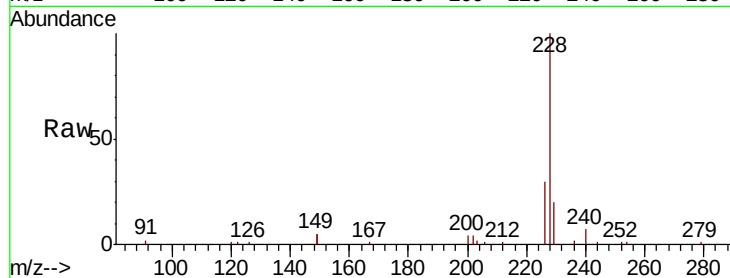
Tgt Ion:228 Resp: 11602

Ion Ratio Lower Upper

228 100

226 30.0 23.8 35.8

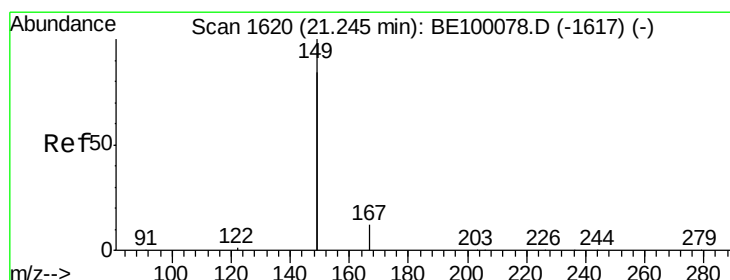
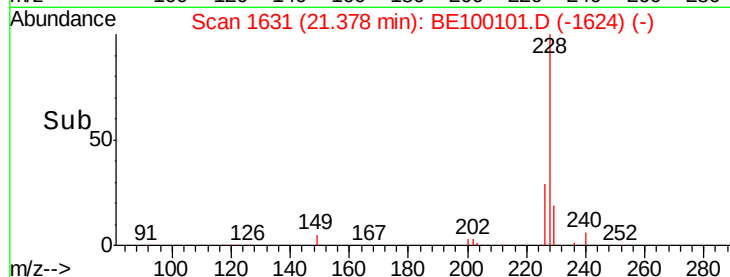
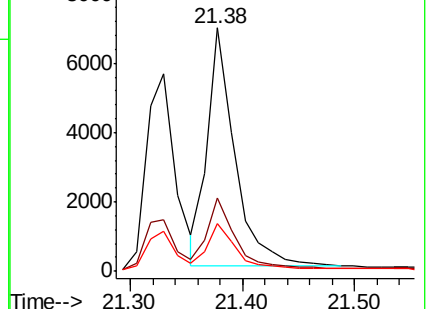
229 19.6 16.3 24.5



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.540 ng

RT: 21.25 min Scan# 1620

Delta R.T. 0.00 min

Lab File: BE100101.D

Acq: 20 Jun 2019 10:11

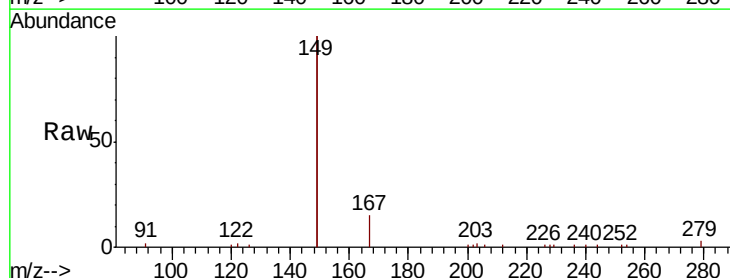
Tgt Ion:149 Resp: 12655

Ion Ratio Lower Upper

149 100

167 7.5 5.8 8.6

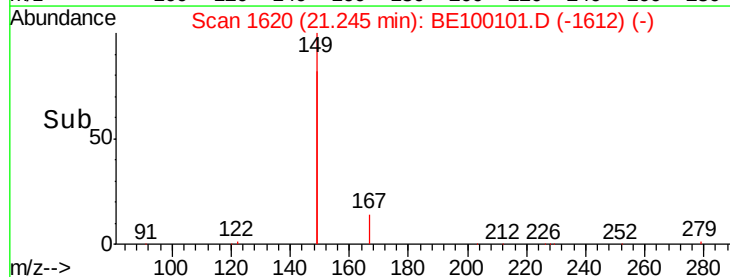
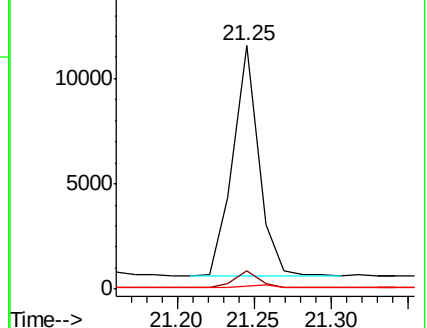
279 1.5 1.1 1.7

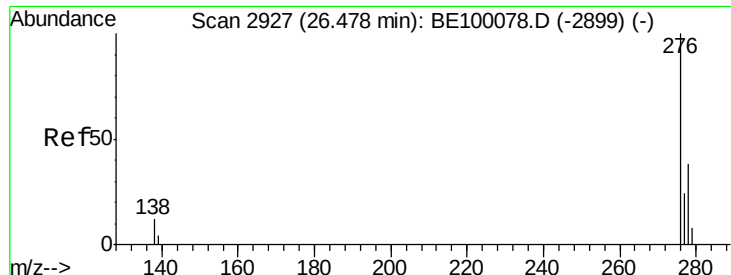


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.425 ng

RT: 26.47 min Scan# 2924

Delta R.T. -0.01 min

Lab File: BE100101.D

Acq: 20 Jun 2019 10:11

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

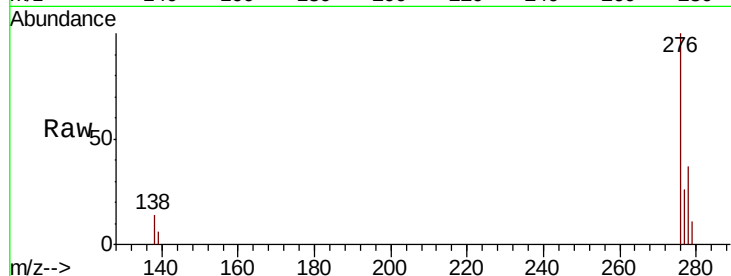
Tgt Ion:276 Resp: 13796

Ion Ratio Lower Upper

276 100

138 12.7 4.3 6.5#

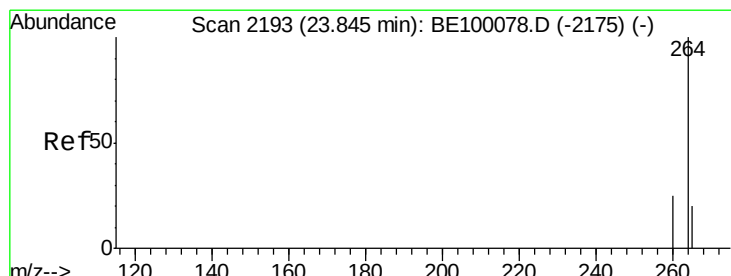
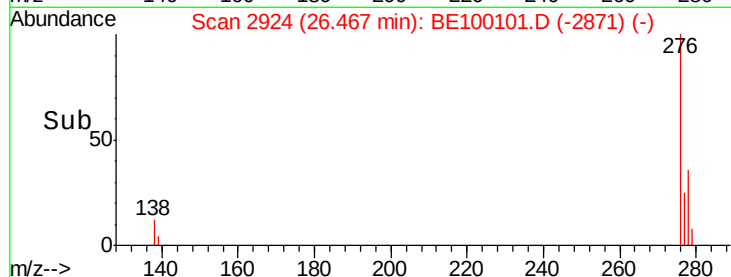
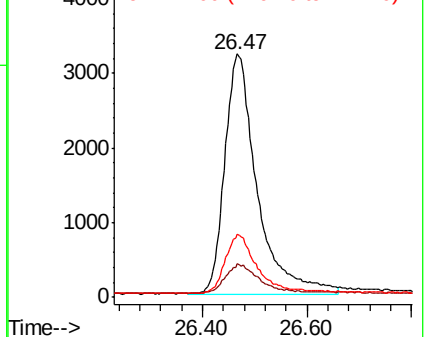
277 23.5 19.4 29.0



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: 23.83 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BE100101.D

Acq: 20 Jun 2019 10:11

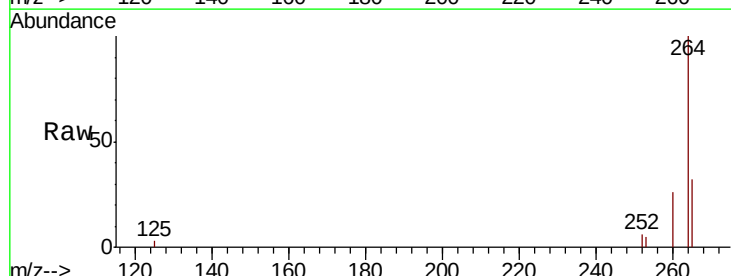
Tgt Ion:264 Resp: 10053

Ion Ratio Lower Upper

264 100

260 26.1 20.8 31.2

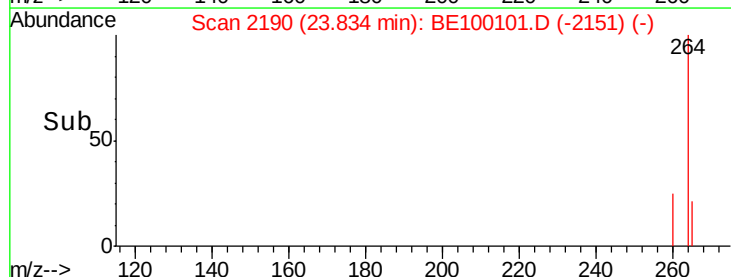
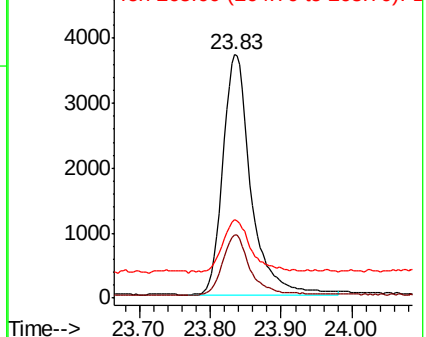
265 32.0 23.2 34.8

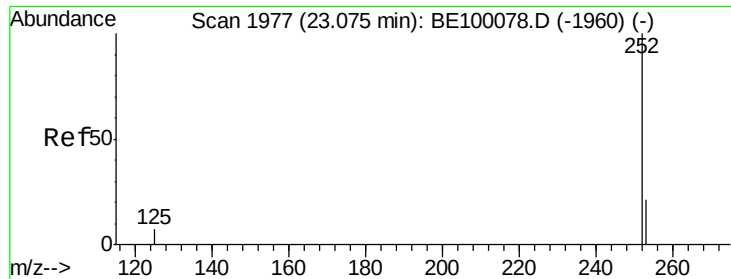


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

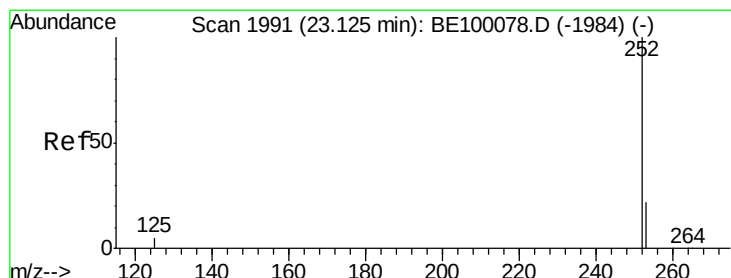
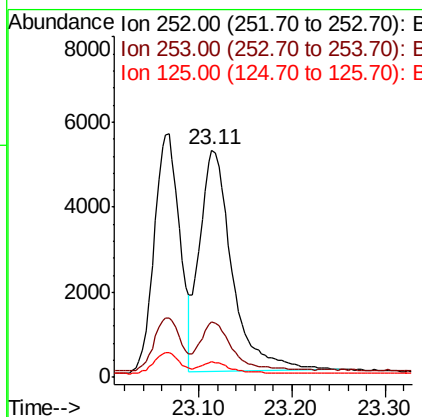
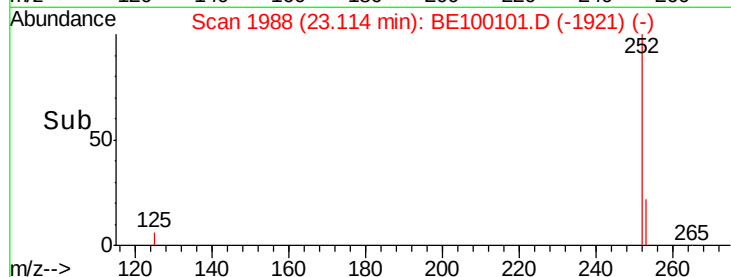
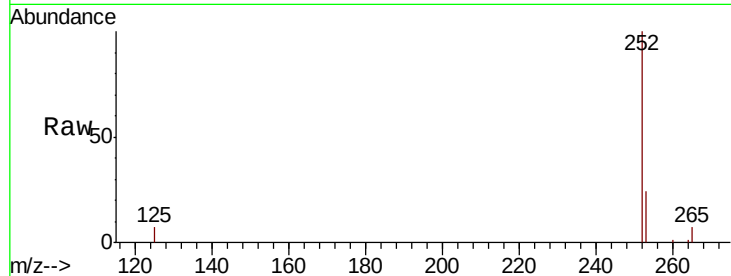




#35  
Benzo(b)fluoranthene  
Concen: 0.427 ng  
RT: 23.11 min Scan# 1988  
Delta R.T. 0.04 min  
Lab File: BE100101.D  
Acq: 20 Jun 2019 10:11

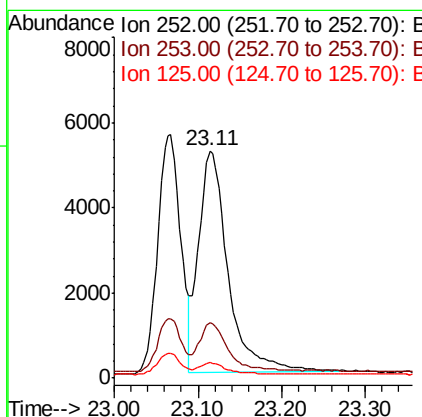
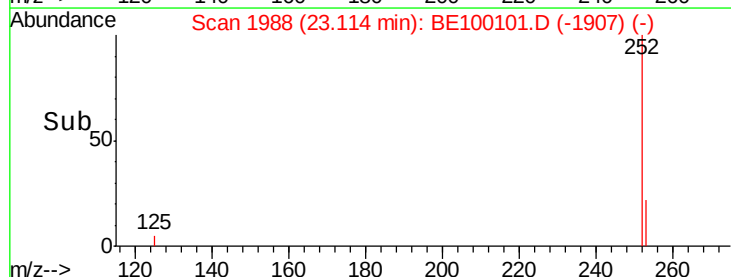
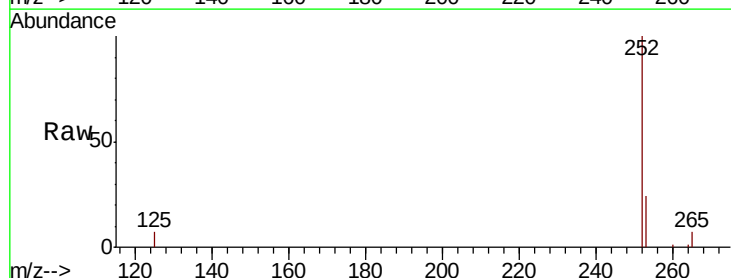
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

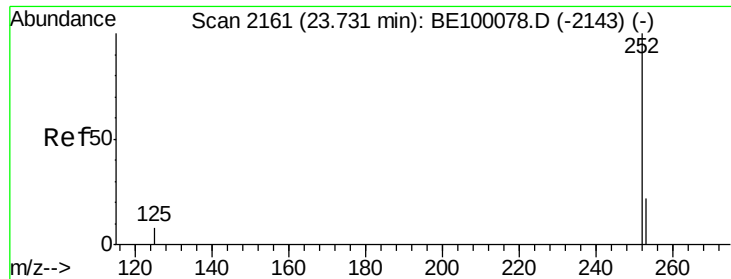
Tgt Ion: 252 Resp: 12603  
Ion Ratio Lower Upper  
252 100  
253 24.1 18.4 27.6  
125 7.1 6.4 9.6



#36  
Benzo(k)fluoranthene  
Concen: 0.382 ng  
RT: 23.11 min Scan# 1988  
Delta R.T. -0.01 min  
Lab File: BE100101.D  
Acq: 20 Jun 2019 10:11

Tgt Ion: 252 Resp: 12816  
Ion Ratio Lower Upper  
252 100  
253 24.1 18.9 28.3  
125 7.1 5.3 7.9





#37

Benzo(a)pyrene

Concen: 0.394 ng

RT: 23.72 min Scan# 2158

Delta R.T. -0.01 min

Lab File: BE100101.D

Acq: 20 Jun 2019 10:11

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

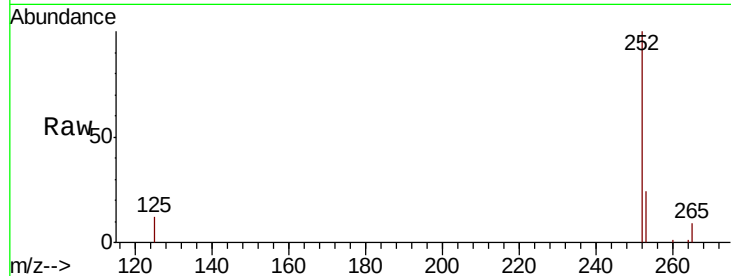
Tgt Ion:252 Resp: 11229

Ion Ratio Lower Upper

252 100

253 24.4 19.4 29.2

125 11.8 8.0 12.0

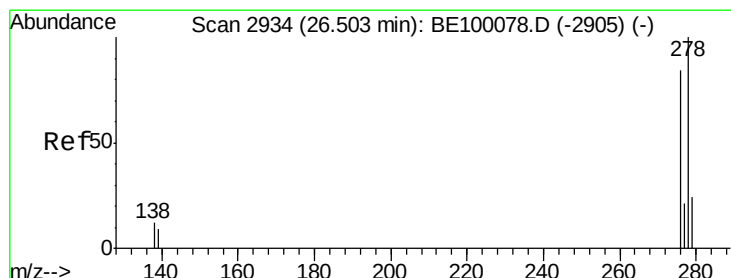
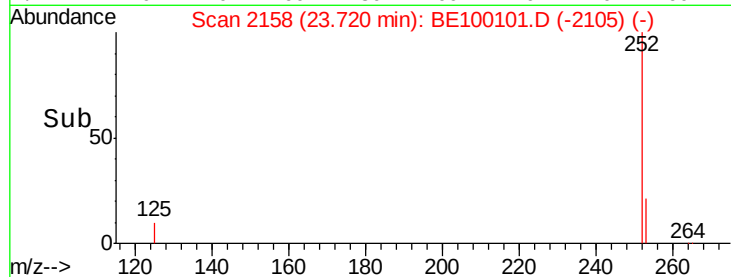
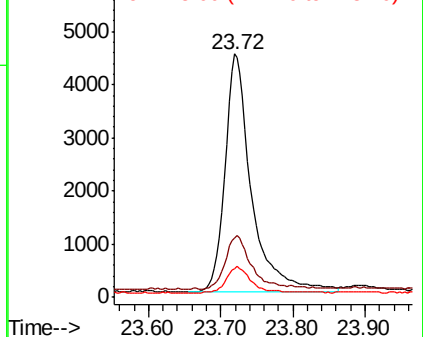


Abundance

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: 0.376 ng

RT: 26.50 min Scan# 2932

Delta R.T. -0.01 min

Lab File: BE100101.D

Acq: 20 Jun 2019 10:11

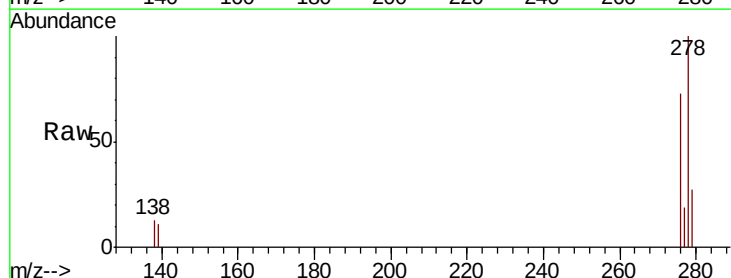
Tgt Ion:278 Resp: 10984

Ion Ratio Lower Upper

278 100

139 10.9 9.0 13.6

279 26.6 21.4 32.0

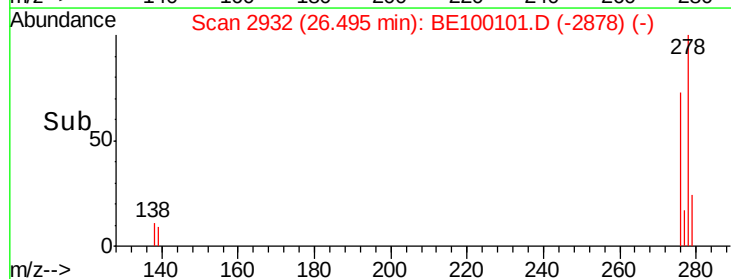
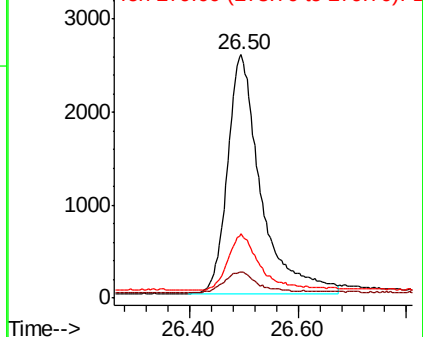


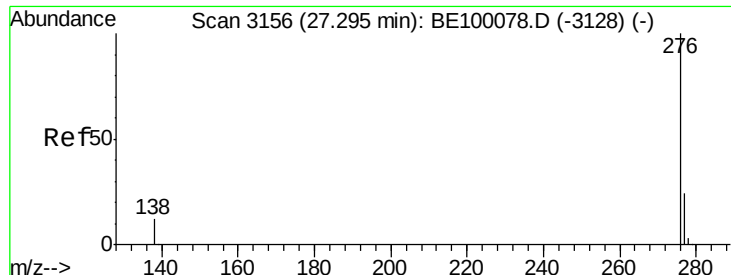
Abundance

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: 0.372 ng

RT: 27.27 min Scan# 3150

Delta R.T. -0.02 min

Lab File: BE100101.D

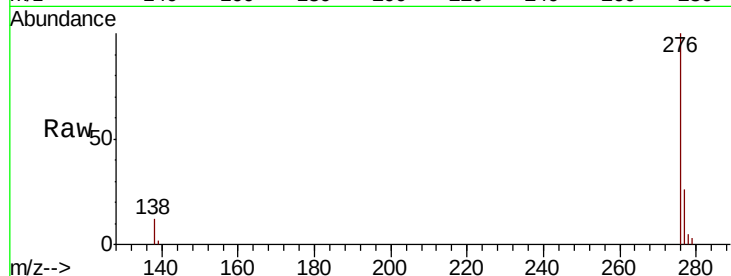
Acq: 20 Jun 2019 10:11

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 276   | Resp: | 11287 |
| Ion      | Ratio | Lower | Upper |
| 276      | 100   |       |       |
| 277      | 25.8  | 20.3  | 30.5  |
| 138      | 12.5  | 11.3  | 16.9  |

