

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070119\  
 Data File : BE100276.D  
 Acq On : 1 Jul 2019 21:30  
 Operator : JU/SJ  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

Quant Time: Jul 02 02:07:11 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  | 1469     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.43 | 136  | 7313     | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 14.31 | 164  | 5920     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.05 | 188  | 16222    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.25 | 240  | 19905    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.67 | 264  | 23458    | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 4) 2-Fluorophenol           | 5.22  | 112 | 1399  | 0.37 | ng | 0.00  |
| 5) Phenol-d6                | 6.83  | 99  | 2594  | 0.53 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 8.80  | 82  | 3100  | 0.43 | ng | -0.03 |
| 11) 2-Methylnaphthalene-d10 | 12.04 | 152 | 6011  | 0.44 | ng | -0.01 |
| 14) 2,4,6-Tribromophenol    | 15.81 | 330 | 1827  | 0.44 | ng | -0.01 |
| 15) 2-Fluorobiphenyl        | 12.93 | 172 | 9532  | 0.41 | ng | -0.01 |
| 25) Fluoranthene-d10        | 19.10 | 212 | 92643 | 0.39 | ng | 0.00  |
| 29) Terphenyl-d14           | 19.70 | 244 | 20083 | 0.49 | ng | 0.00  |

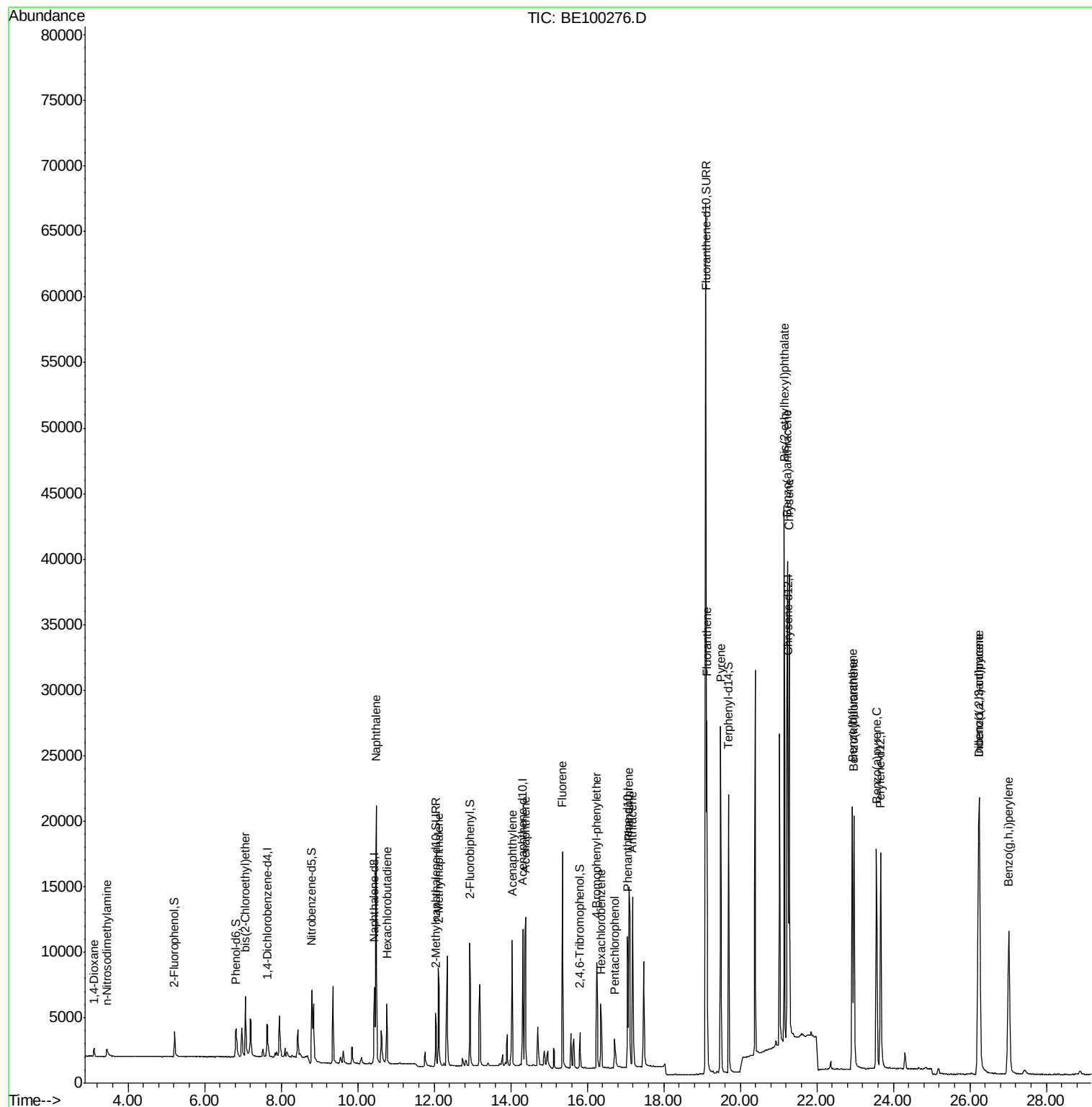
|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.11  | 88  | 589   | 0.258  | ng | 96   |
| 3) n-Nitrosodimethylamine      | 3.44  | 42  | 578   | 0.544  | ng | # 82 |
| 6) bis(2-Chloroethyl)ether     | 7.07  | 93  | 2412  | 0.596  | ng | # 72 |
| 9) Naphthalene                 | 10.49 | 128 | 32730 | 0.406  | ng | # 97 |
| 10) Hexachlorobutadiene        | 10.76 | 225 | 3161  | 0.407  | ng | 97   |
| 12) 2-Methylnaphthalene        | 12.11 | 142 | 5876  | 0.415  | ng | 97   |
| 16) Acenaphthylene             | 14.04 | 152 | 11839 | 0.417  | ng | 98   |
| 17) Acenaphthene               | 14.39 | 154 | 6604  | 0.410  | ng | 98   |
| 18) Fluorene                   | 15.35 | 166 | 9578  | 0.402  | ng | 99   |
| 20) 4-Bromophenyl-phenylether  | 16.25 | 248 | 4550  | 0.439  | ng | # 84 |
| 21) Hexachlorobenzene          | 16.37 | 284 | 4534  | 0.422  | ng | 96   |
| 22) Pentachlorophenol          | 16.72 | 266 | 1646  | 0.509  | ng | 93   |
| 23) Phenanthrene               | 17.09 | 178 | 16634 | 0.423  | ng | 100  |
| 24) Anthracene                 | 17.19 | 178 | 15744 | 0.445  | ng | 100  |
| 26) Fluoranthene               | 19.13 | 202 | 24498 | 0.391  | ng | 100  |
| 28) Pyrene                     | 19.49 | 202 | 25434 | 0.483  | ng | 100  |
| 30) Benzo(a)anthracene         | 21.23 | 228 | 29095 | 0.445  | ng | 97   |
| 31) Chrysene                   | 21.28 | 228 | 28644 | 0.436  | ng | 99   |
| 32) Bis(2-ethylhexyl)phthalate | 21.15 | 149 | 44375 | 0.422  | ng | 100  |
| 33) Indeno(1,2,3-cd)pyrene     | 26.23 | 276 | 34808 | 0.400  | ng | 99   |
| 35) Benzo(b)fluoranthene       | 22.93 | 252 | 27273 | 0.429  | ng | 99   |
| 36) Benzo(k)fluoranthene       | 22.97 | 252 | 28528 | 0.402  | ng | 99   |
| 37) Benzo(a)pyrene             | 23.56 | 252 | 26610 | 0.417  | ng | 99   |
| 38) Dibenzo(a,h)anthracene     | 26.25 | 278 | 28205 | 0.424  | ng | 98   |
| 39) Benzo(g,h,i)perylene       | 27.02 | 276 | 28655 | 0.419  | ng | 98   |

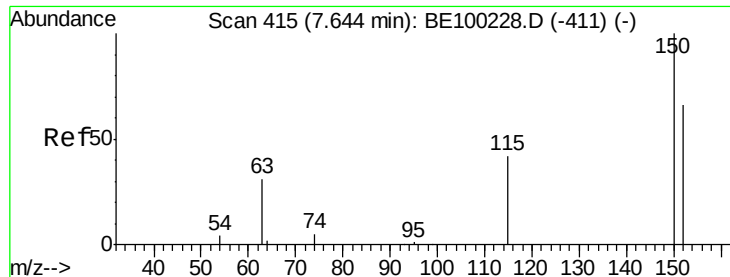
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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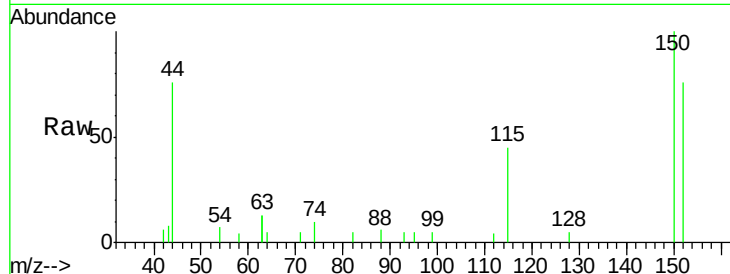


#1

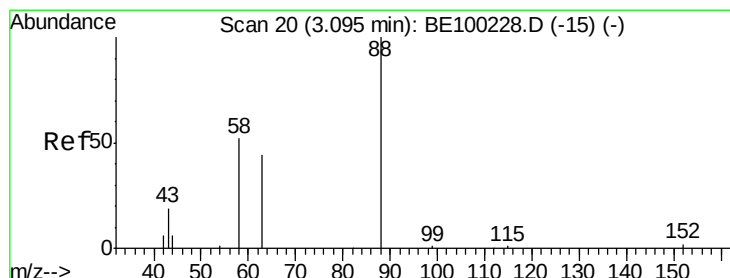
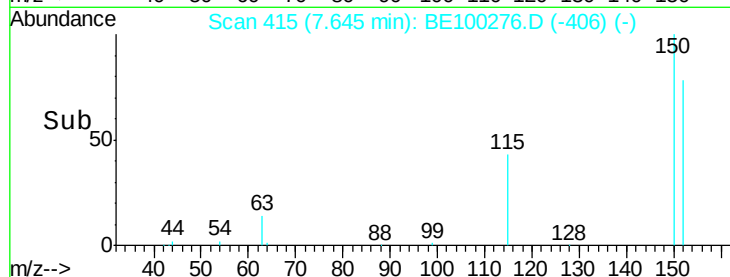
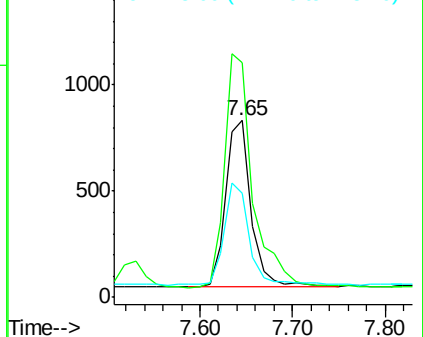
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.65 min Scan# 415  
Delta R.T. 0.00 min  
Lab File: BE100276.D  
Acq: 1 Jul 2019 21:30

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

Tot Ion:152 Resp: 1469  
Ion Ratio Lower Upper  
152 100  
150 132.4 114.5 171.7  
115 59.2 57.1 85.7



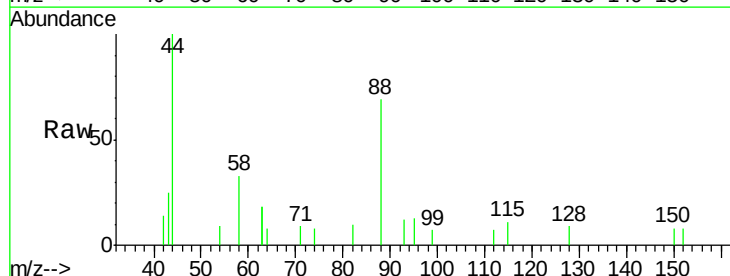
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



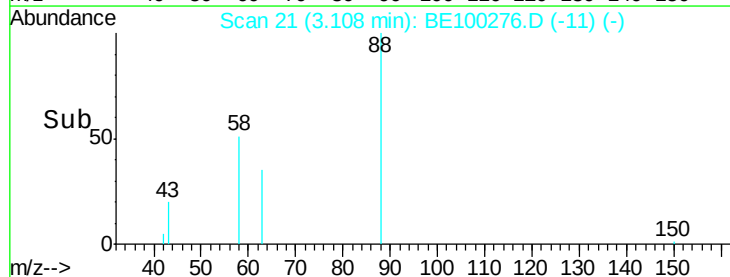
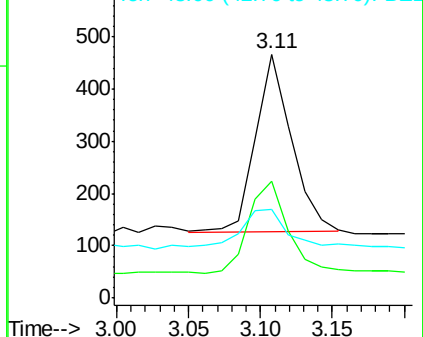
#2

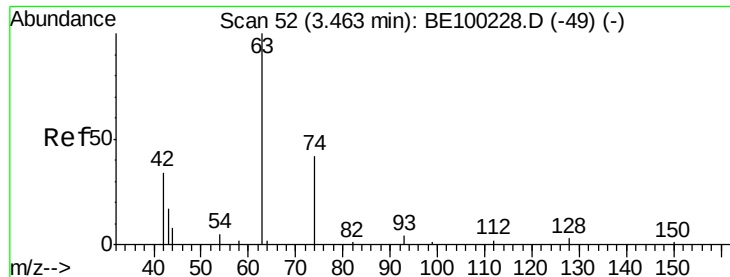
1,4-Dioxane  
Concen: 0.258 ng  
RT: 3.11 min Scan# 21  
Delta R.T. 0.01 min  
Lab File: BE100276.D  
Acq: 1 Jul 2019 21:30

Tgt Ion: 88 Resp: 589  
Ion Ratio Lower Upper  
88 100  
58 56.4 43.6 65.4  
43 29.5 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: 0.544 ng

RT: 3.44 min Scan# 50

Delta R.T. -0.02 min

Lab File: BE100276.D

Acq: 1 Jul 2019 21:30

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

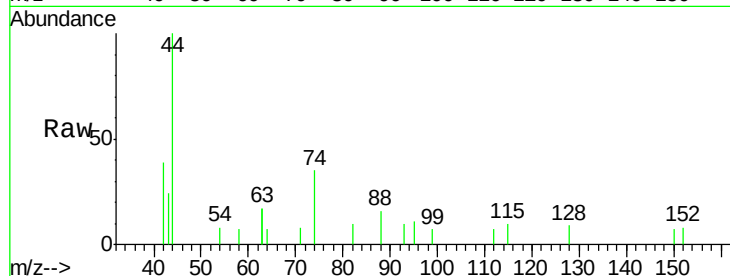
Tot Ion: 42 Resp: 578

Ion Ratio Lower Upper

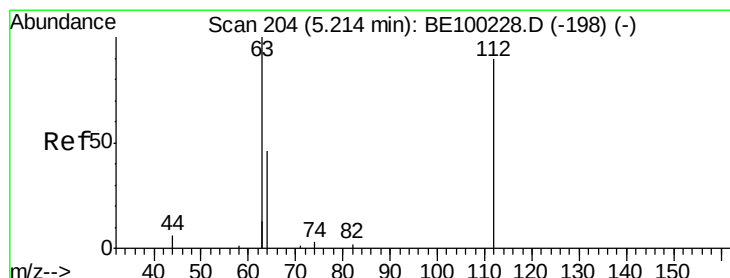
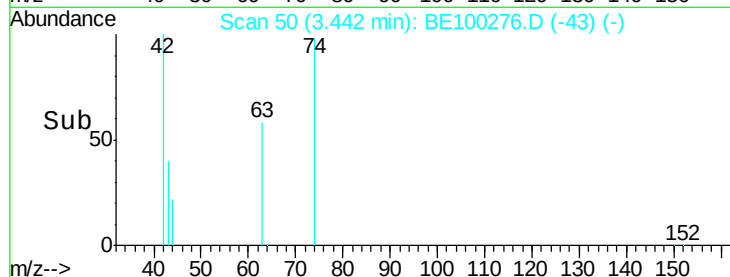
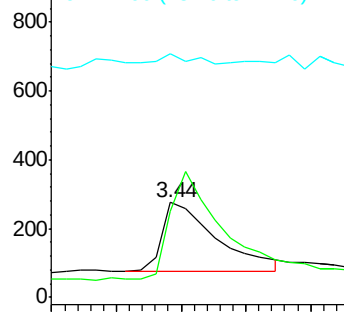
42 100

74 156.4 130.6 196.0

44 6.4 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: 0.373 ng

RT: 5.22 min Scan# 204

Delta R.T. 0.00 min

Lab File: BE100276.D

Acq: 1 Jul 2019 21:30

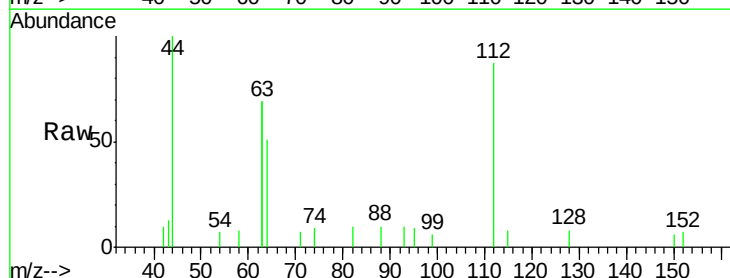
Tgt Ion: 112 Resp: 1399

Ion Ratio Lower Upper

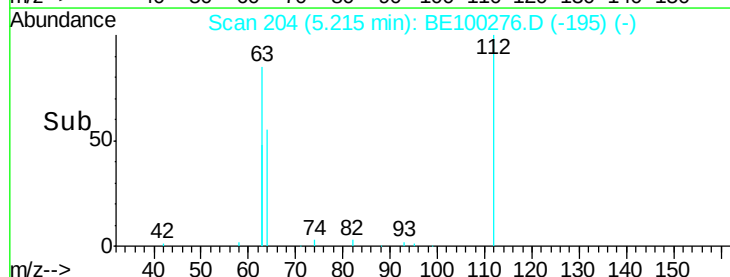
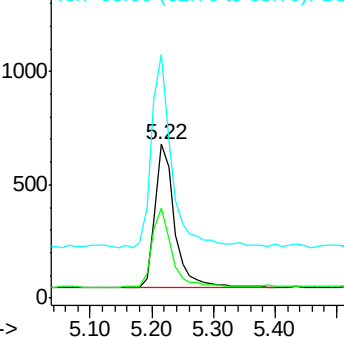
112 100

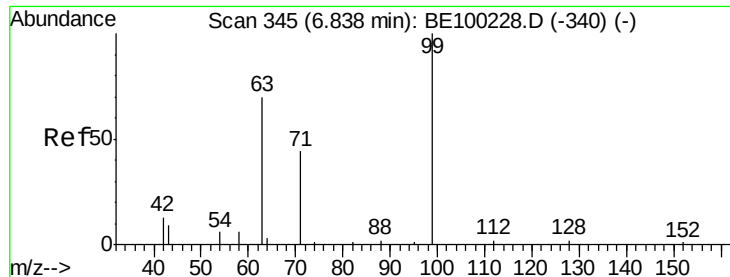
64 53.0 39.4 59.0

63 136.6 104.5 156.7



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: 0.526 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE100276.D

Acq: 1 Jul 2019 21:30

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

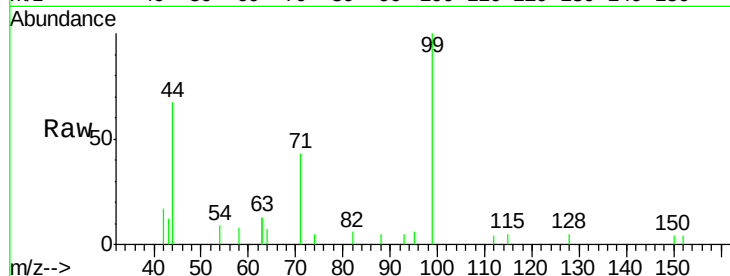
Tot Ion: 99 Resp: 2594

Ion Ratio Lower Upper

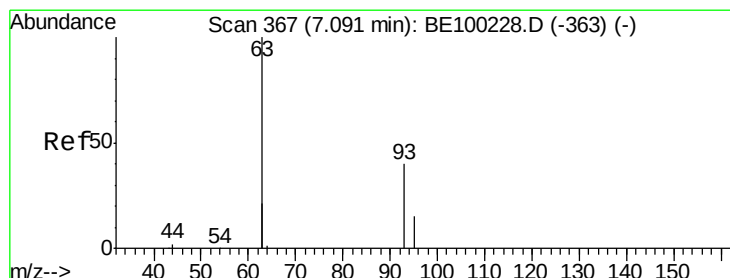
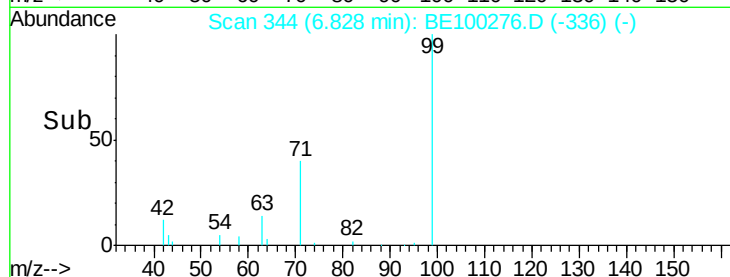
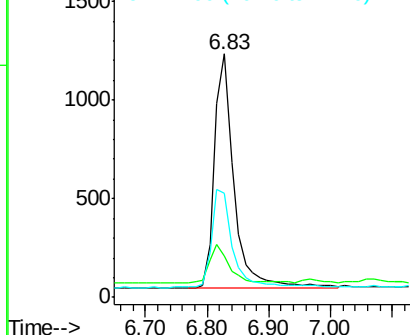
99 100

42 16.5 11.2 16.8

71 43.3 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

bis(2-Chloroethyl)ether

Concen: 0.596 ng

RT: 7.07 min Scan# 365

Delta R.T. -0.02 min

Lab File: BE100276.D

Acq: 1 Jul 2019 21:30

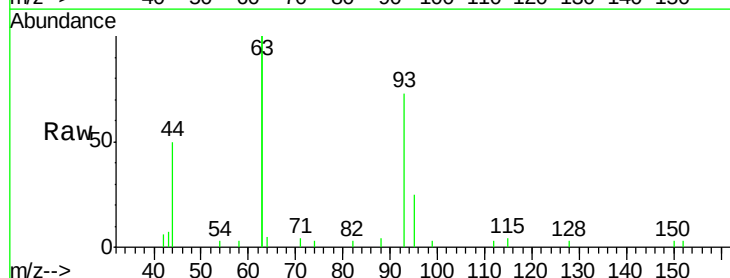
Tgt Ion: 93 Resp: 2412

Ion Ratio Lower Upper

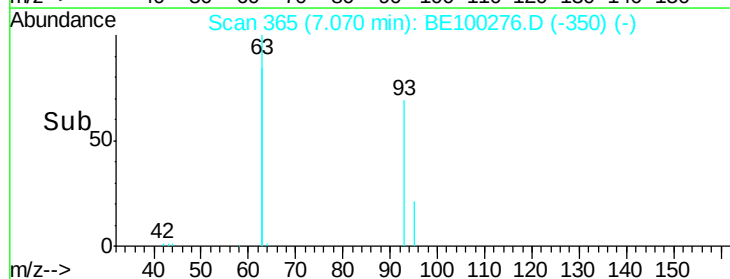
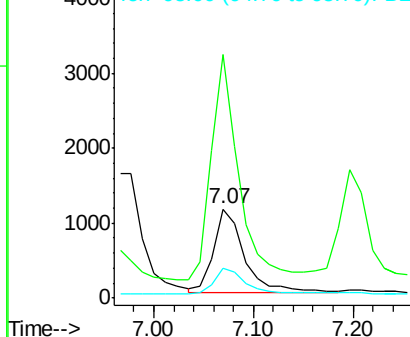
93 100

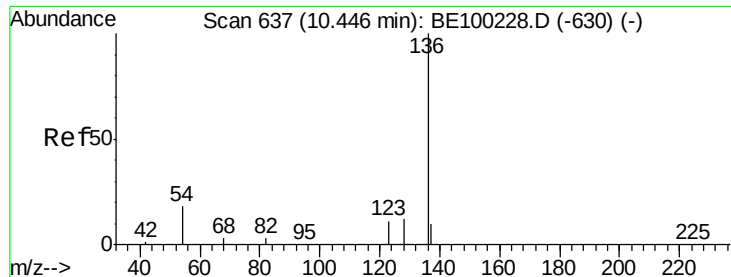
63 241.6 155.6 233.4#

95 30.2 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





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.43 min Scan# 636

Delta R.T. -0.01 min

Lab File: BE100276.D

Acq: 1 Jul 2019 21:30

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

Tot Ion:136 Resp: 7313

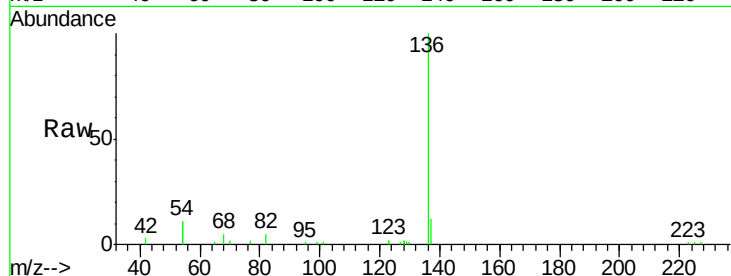
Ion Ratio Lower Upper

136 100

137 12.1 11.8 17.8

54 21.3 27.7 41.5#

68 4.9 6.8 10.2#

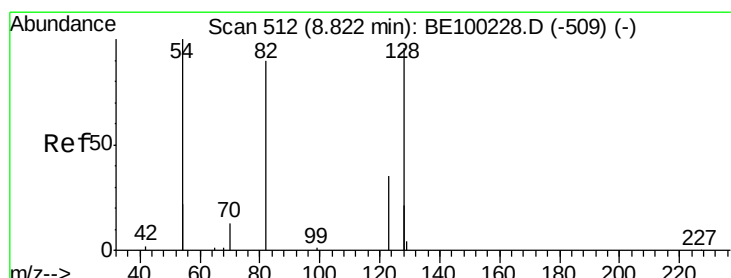
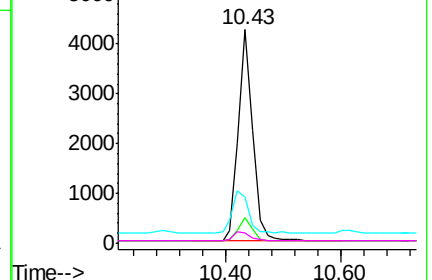
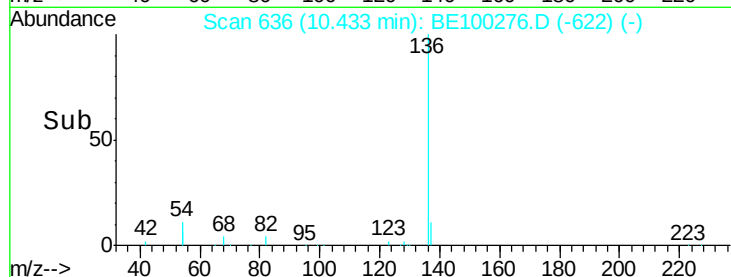


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.427 ng

RT: 8.80 min Scan# 510

Delta R.T. -0.03 min

Lab File: BE100276.D

Acq: 1 Jul 2019 21:30

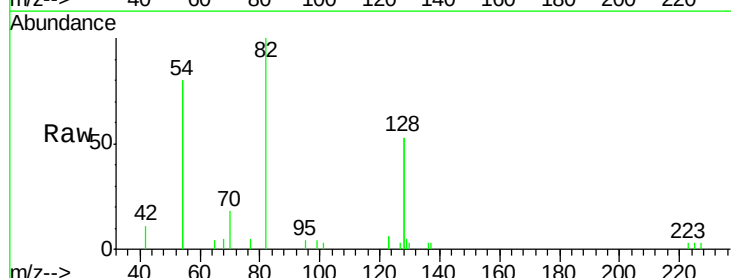
Tgt Ion: 82 Resp: 3100

Ion Ratio Lower Upper

82 100

128 106.8 140.9 211.3#

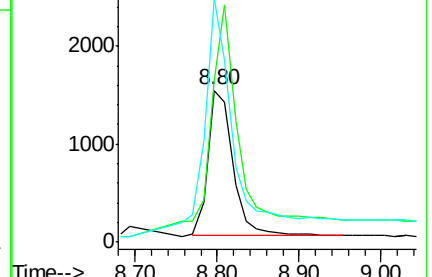
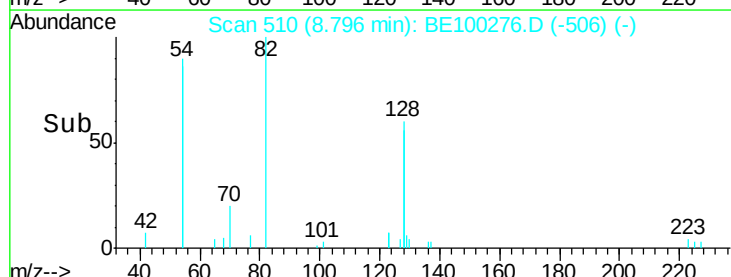
54 160.6 146.2 219.2

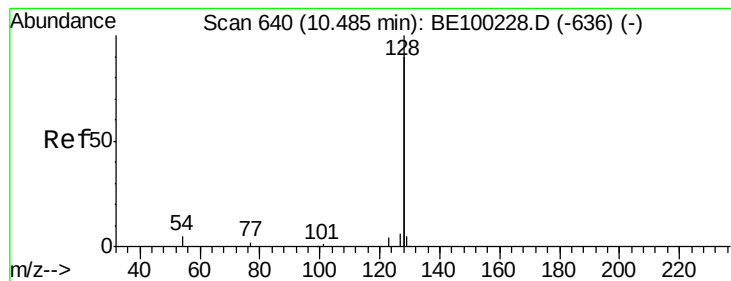


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.406 ng

RT: 10.49 min Scan# 640

Delta R.T. 0.00 min

Lab File: BE100276.D

Acq: 1 Jul 2019 21:30

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

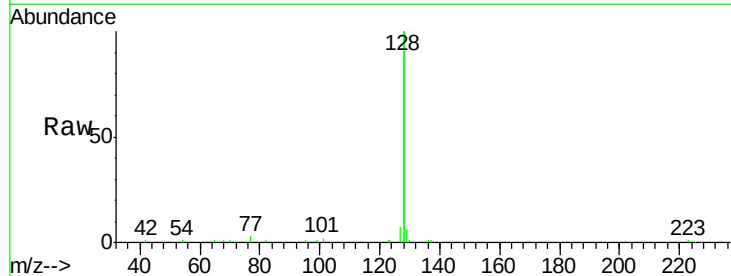
Tot Ion:128 Resp: 32730

Ion Ratio Lower Upper

128 100

129 3.0 3.0 4.6

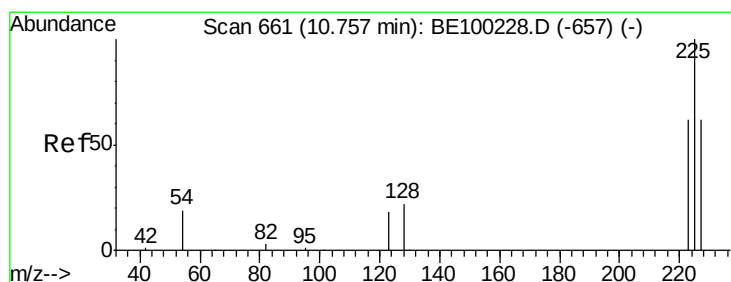
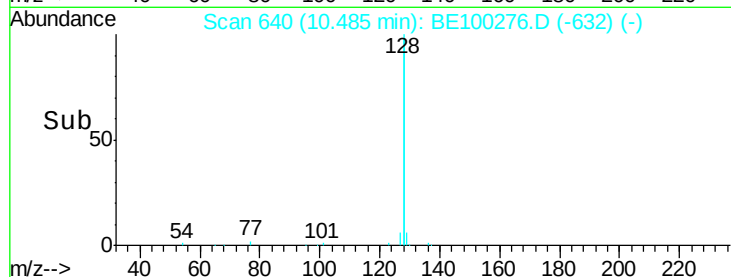
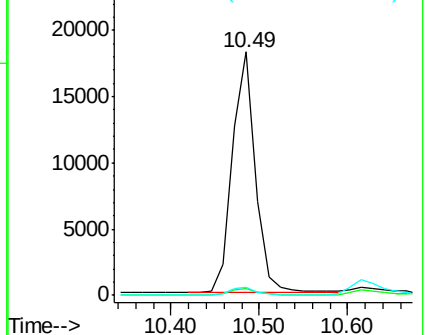
127 3.4 3.5 5.3#



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



#10

Hexachlorobutadiene

Concen: 0.407 ng

RT: 10.76 min Scan# 661

Delta R.T. 0.00 min

Lab File: BE100276.D

Acq: 1 Jul 2019 21:30

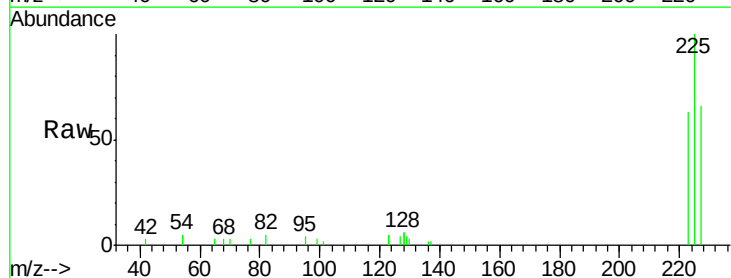
Tgt Ion:225 Resp: 3161

Ion Ratio Lower Upper

225 100

223 62.7 49.1 73.7

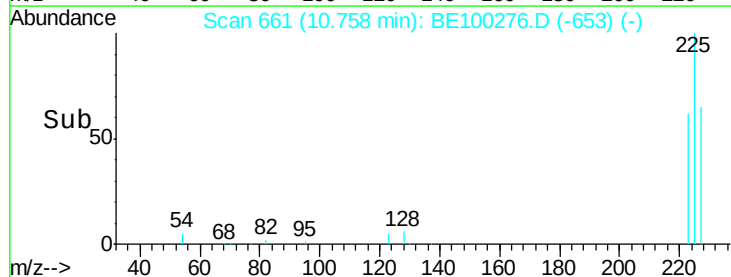
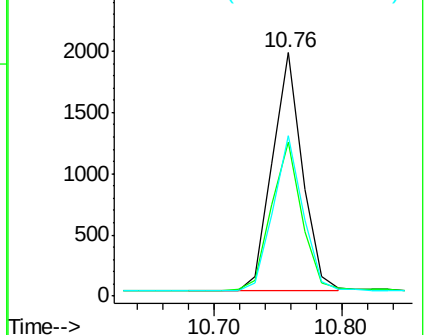
227 64.7 49.3 73.9

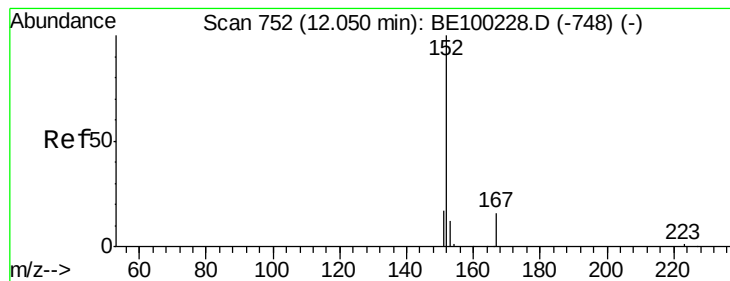


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.437 ng

RT: 12.04 min Scan# 751

Delta R.T. -0.01 min

Lab File: BE100276.D

Acq: 1 Jul 2019 21:30

Instrument :

BNA\_E

ClientSampleId :

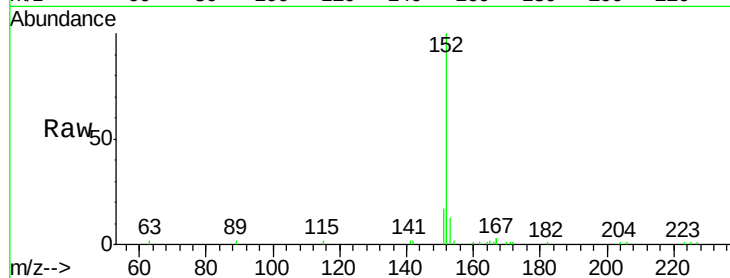
SSTDCCC0.4EC

Tot Ion:152 Resp: 6011

Ion Ratio Lower Upper

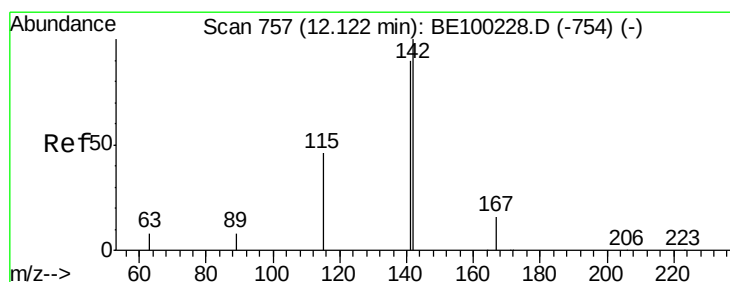
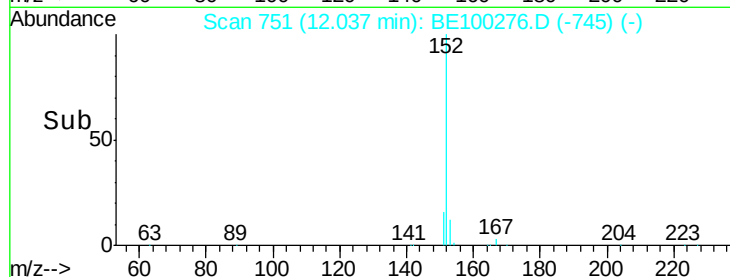
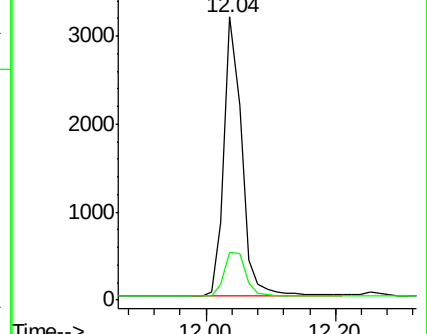
152 100

151 19.1 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: 0.415 ng

RT: 12.11 min Scan# 756

Delta R.T. -0.01 min

Lab File: BE100276.D

Acq: 1 Jul 2019 21:30

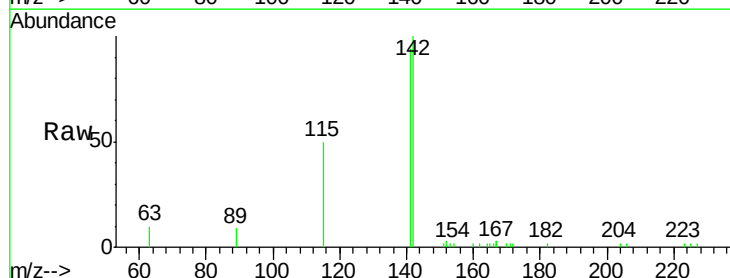
Tgt Ion:142 Resp: 5876

Ion Ratio Lower Upper

142 100

141 94.4 72.4 108.6

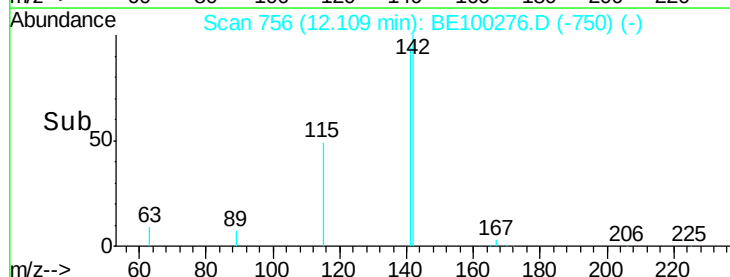
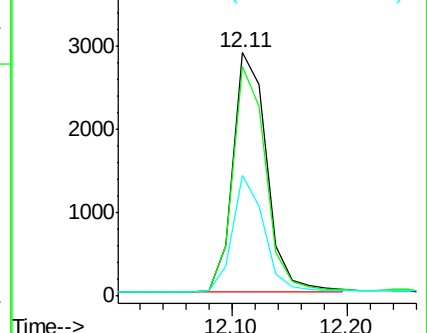
115 49.6 40.4 60.6



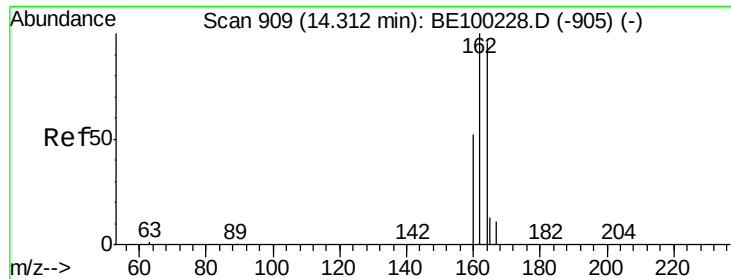
Abundance Ion 142.00 (141.70 to 142.70): E

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: BE100276.D

Acq: 1 Jul 2019 21:30

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

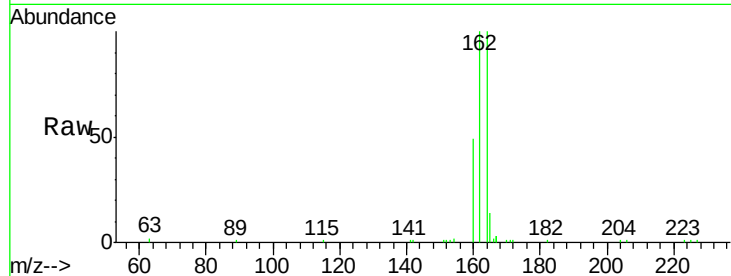
Tot Ion:164 Resp: 5920

Ion Ratio Lower Upper

164 100

162 99.8 83.4 125.0

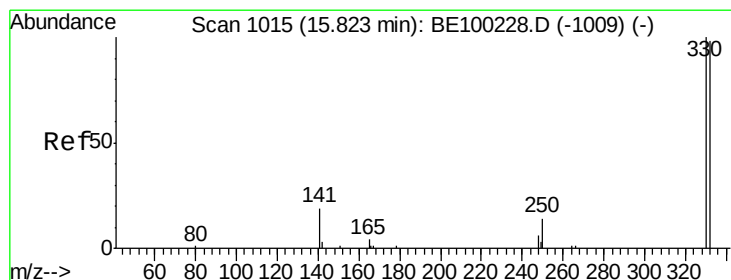
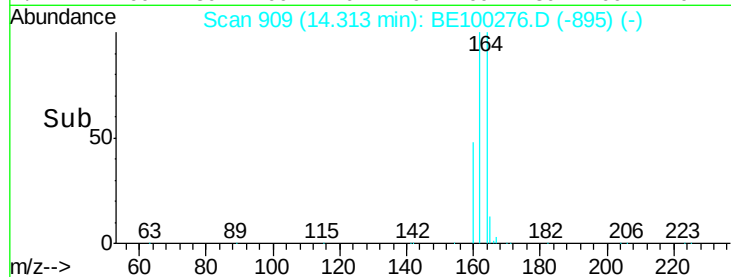
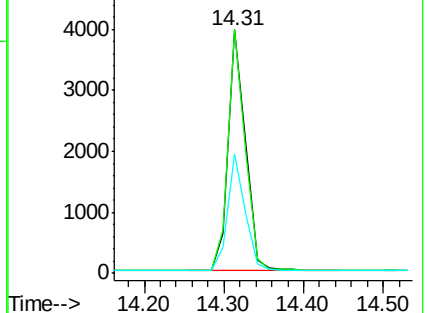
160 49.0 45.0 67.6



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: 0.441 ng

RT: 15.81 min Scan# 1014

Delta R.T. -0.01 min

Lab File: BE100276.D

Acq: 1 Jul 2019 21:30

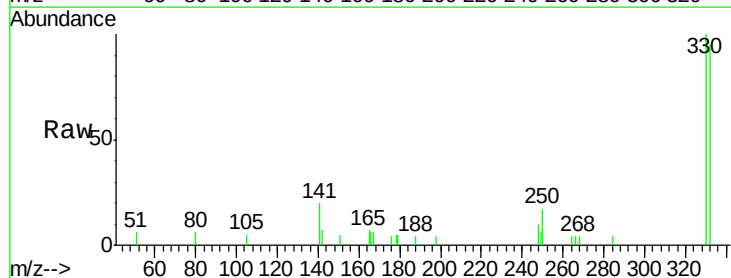
Tgt Ion:330 Resp: 1827

Ion Ratio Lower Upper

330 100

332 97.2 77.0 115.4

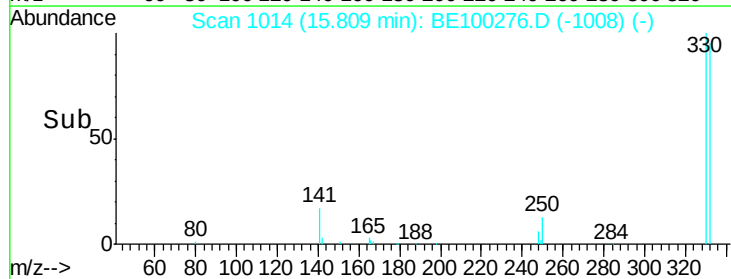
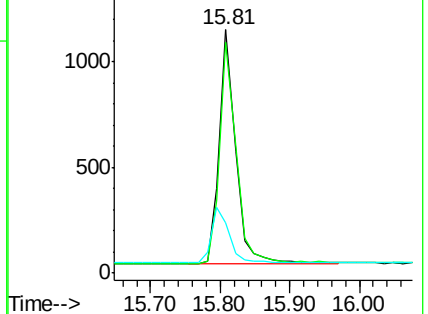
141 25.0 22.0 33.0

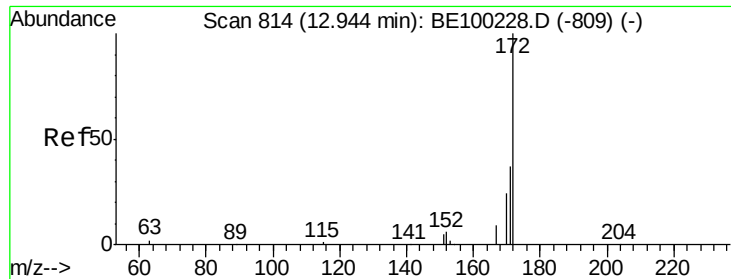


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

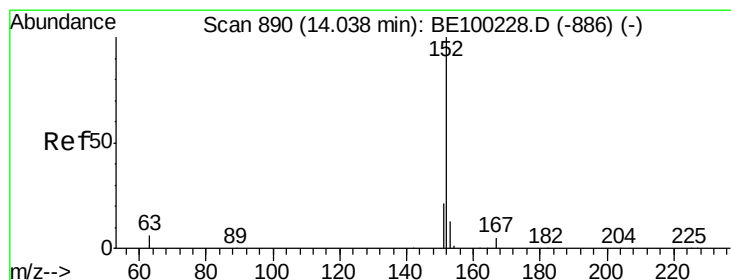
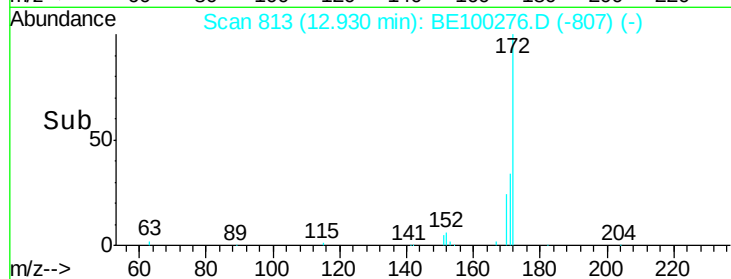
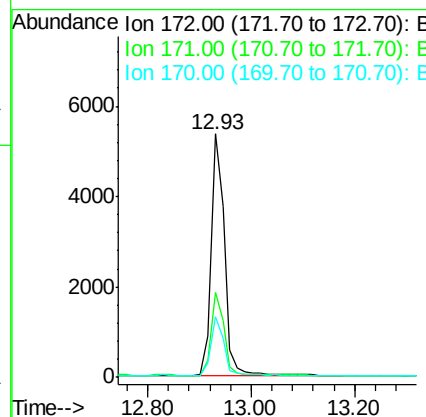
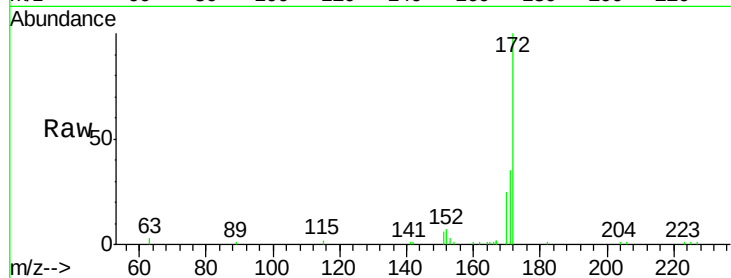




#15  
2-Fluorobiphenyl  
Concen: 0.413 ng  
RT: 12.93 min Scan# 813  
Delta R.T. -0.01 min  
Lab File: BE100276.D  
Acq: 1 Jul 2019 21:30

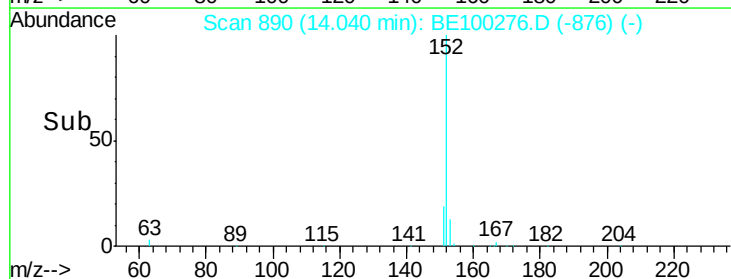
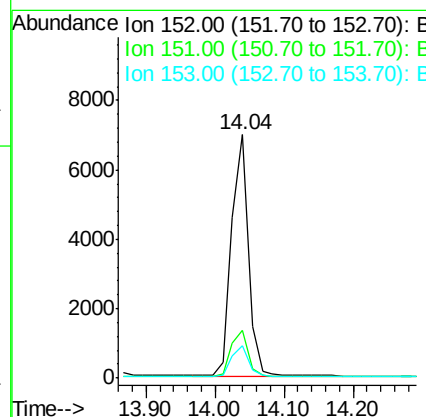
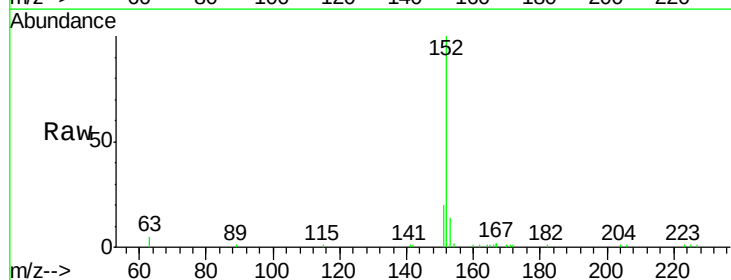
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

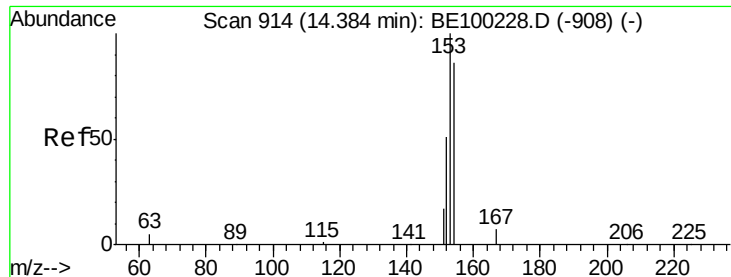
Tot Ion:172 Resp: 9532  
Ion Ratio Lower Upper  
172 100  
171 34.9 31.9 47.9  
170 25.1 22.2 33.2



#16  
Acenaphthylene  
Concen: 0.417 ng  
RT: 14.04 min Scan# 890  
Delta R.T. 0.00 min  
Lab File: BE100276.D  
Acq: 1 Jul 2019 21:30

Tgt Ion:152 Resp: 11839  
Ion Ratio Lower Upper  
152 100  
151 19.6 16.6 25.0  
153 12.7 10.5 15.7

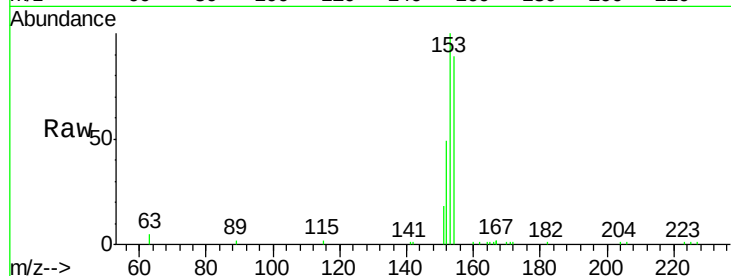




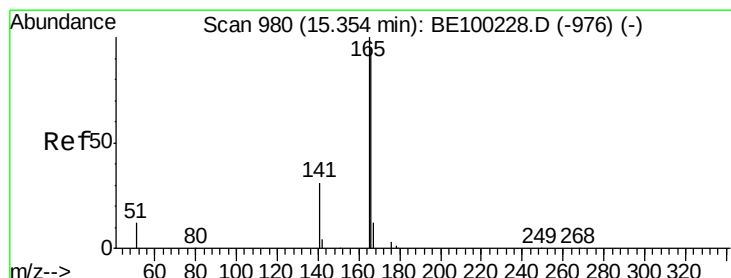
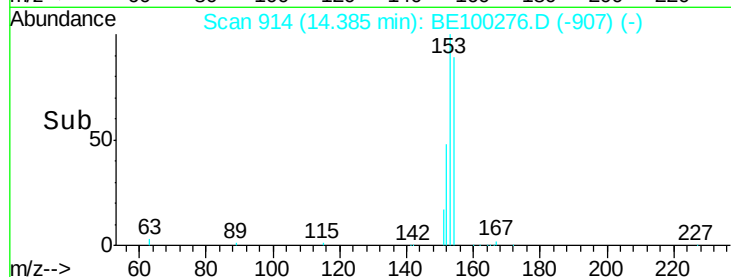
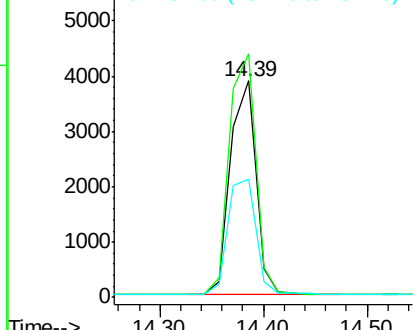
#17  
Acenaphthene  
Concen: 0.410 ng  
RT: 14.39 min Scan# 914  
Delta R.T. 0.00 min  
Lab File: BE100276.D  
Acq: 1 Jul 2019 21:30

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

Tot Ion:154 Resp: 6604  
Ion Ratio Lower Upper  
154 100  
153 117.5 93.4 140.2  
152 58.9 49.4 74.2

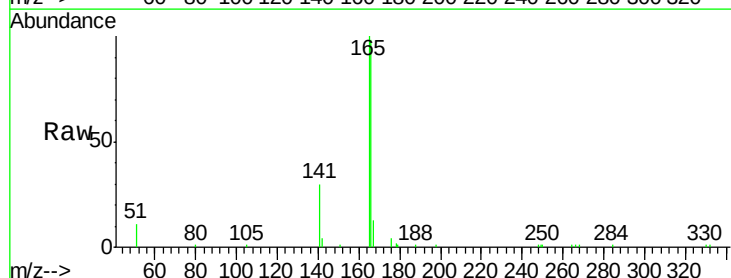


Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E

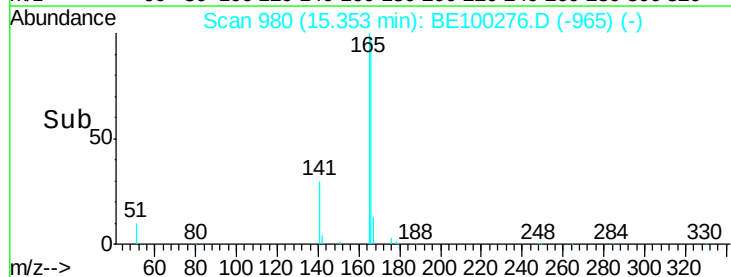
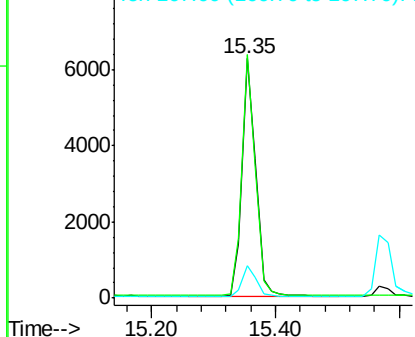


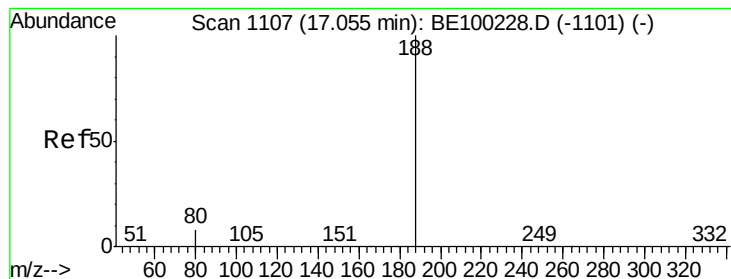
#18  
Fluorene  
Concen: 0.402 ng  
RT: 15.35 min Scan# 980  
Delta R.T. -0.00 min  
Lab File: BE100276.D  
Acq: 1 Jul 2019 21:30

Tgt Ion:166 Resp: 9578  
Ion Ratio Lower Upper  
166 100  
165 100.2 81.1 121.7  
167 12.9 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: BE100276.D

Acq: 1 Jul 2019 21:30

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

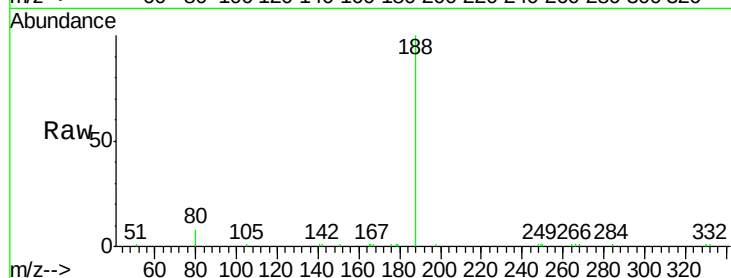
Tot Ion:188 Resp: 16222

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

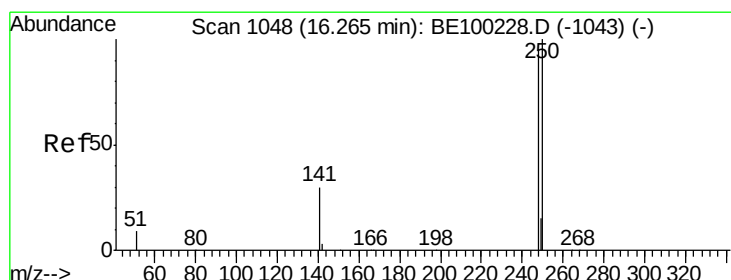
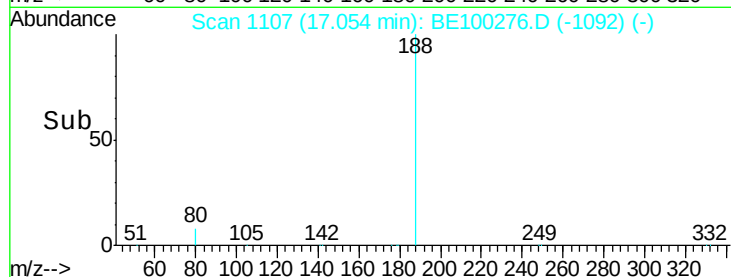
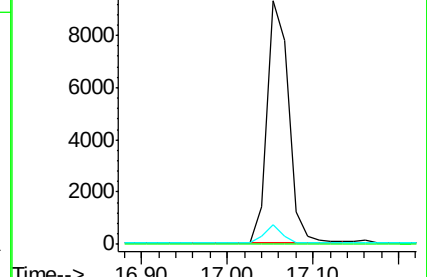
80 8.0 7.6 11.4



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: 0.439 ng

RT: 16.25 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BE100276.D

Acq: 1 Jul 2019 21:30

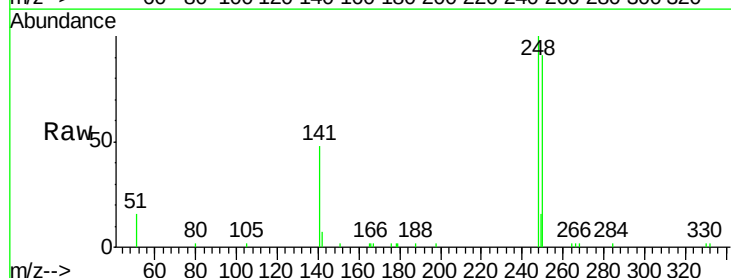
Tgt Ion:248 Resp: 4550

Ion Ratio Lower Upper

248 100

250 90.7 84.2 126.4

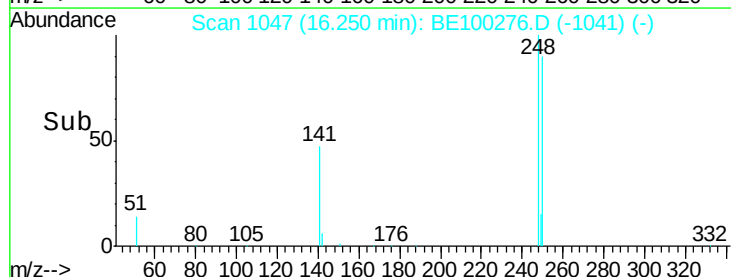
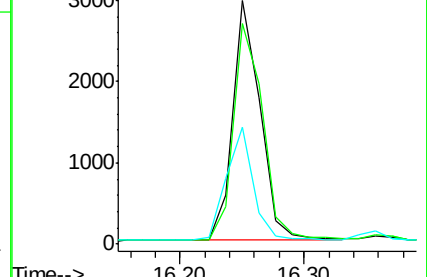
141 48.3 29.3 43.9#

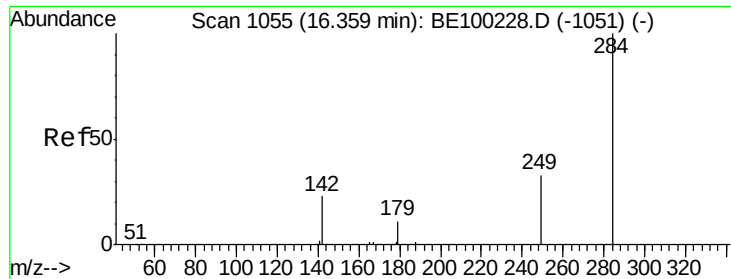


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.422 ng

RT: 16.37 min Scan# 1056

Delta R.T. 0.01 min

Lab File: BE100276.D

Acq: 1 Jul 2019 21:30

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

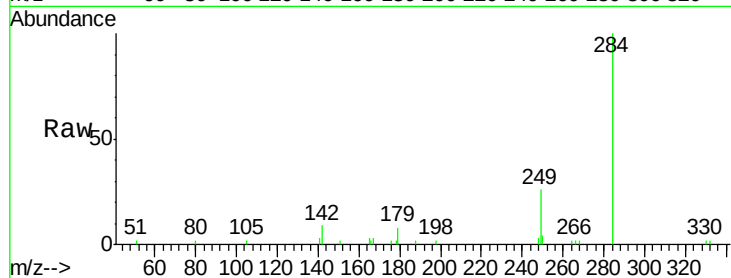
Tot Ion:284 Resp: 4534

Ion Ratio Lower Upper

284 100

142 23.8 18.8 28.2

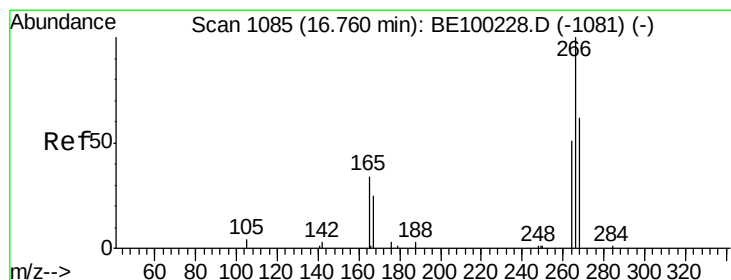
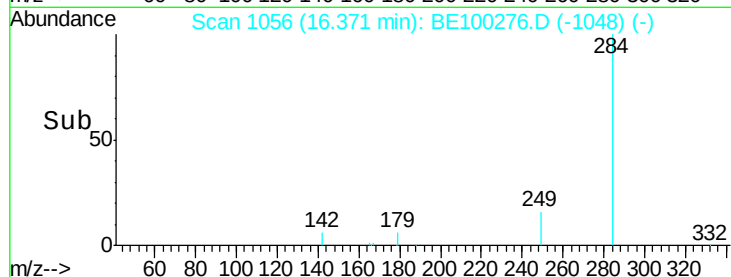
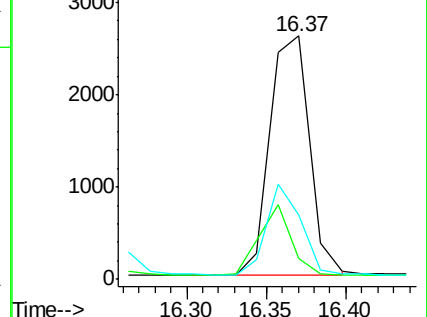
249 32.8 23.7 35.5



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: 0.509 ng

RT: 16.72 min Scan# 1082

Delta R.T. -0.04 min

Lab File: BE100276.D

Acq: 1 Jul 2019 21:30

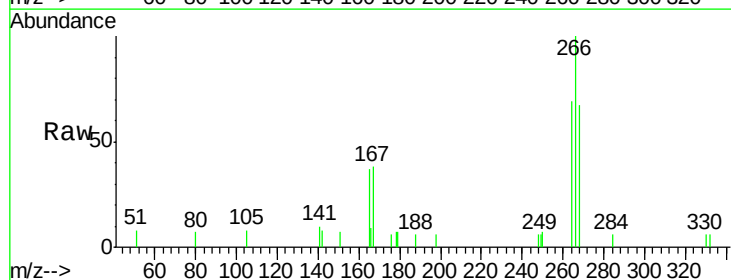
Tgt Ion:266 Resp: 1646

Ion Ratio Lower Upper

266 100

264 69.3 56.2 84.2

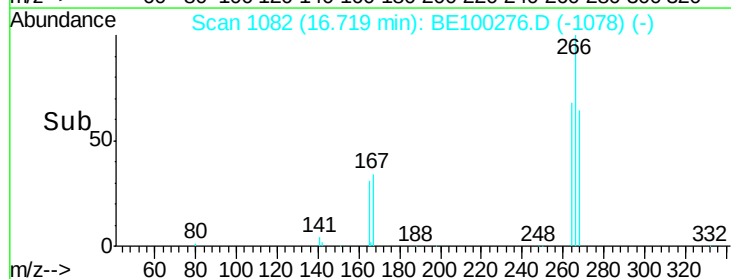
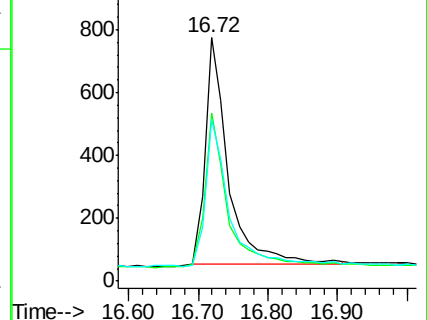
268 66.6 61.8 92.6

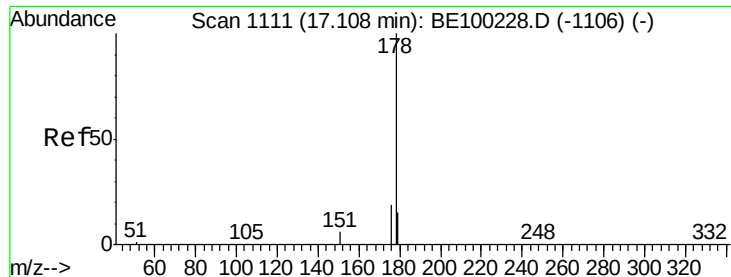


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.423 ng

RT: 17.09 min Scan# 1110

Delta R.T. -0.01 min

Lab File: BE100276.D

Acq: 1 Jul 2019 21:30

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

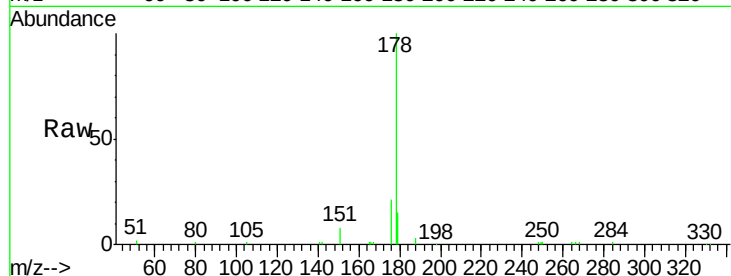
Tot Ion:178 Resp: 16634

Ion Ratio Lower Upper

178 100

176 19.8 15.9 23.9

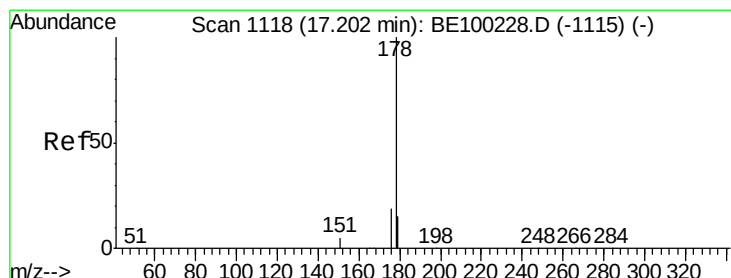
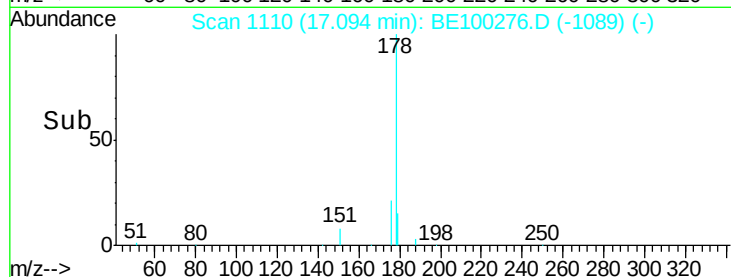
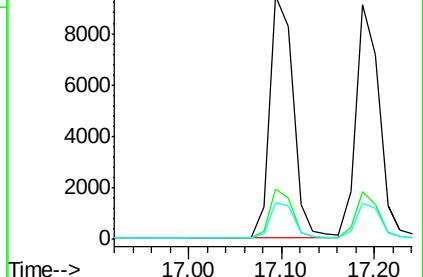
179 15.1 12.2 18.2



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



#24

Anthracene

Concen: 0.445 ng

RT: 17.19 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BE100276.D

Acq: 1 Jul 2019 21:30

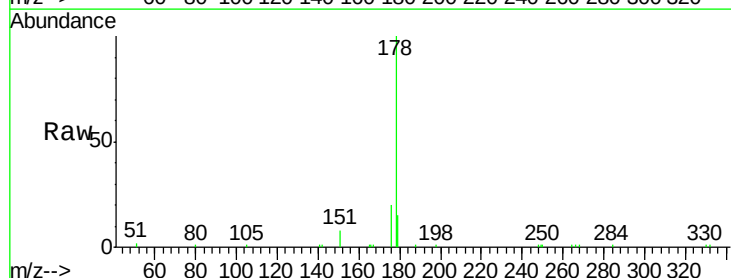
Tgt Ion:178 Resp: 15744

Ion Ratio Lower Upper

178 100

176 19.1 15.3 22.9

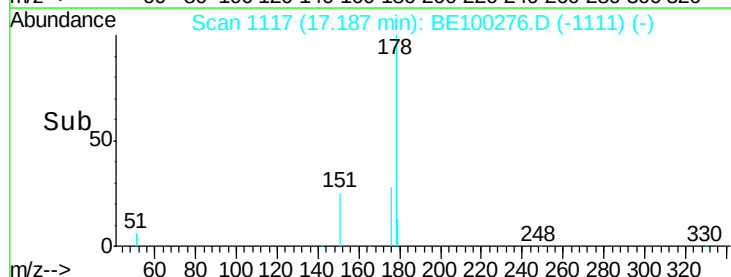
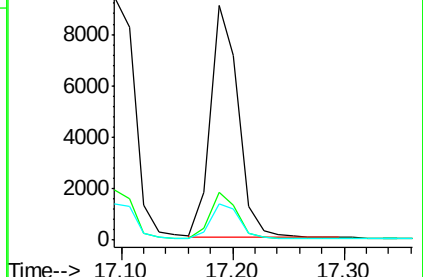
179 15.4 12.2 18.2

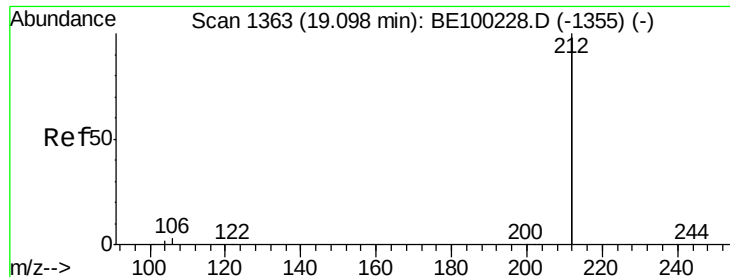


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

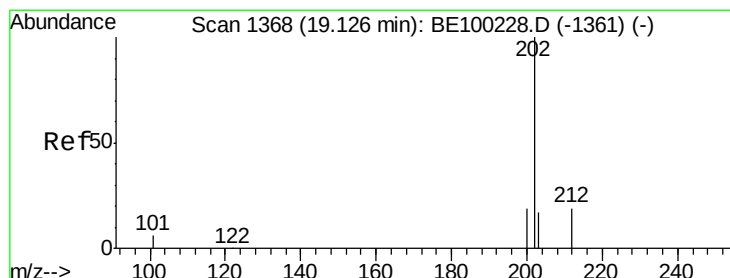
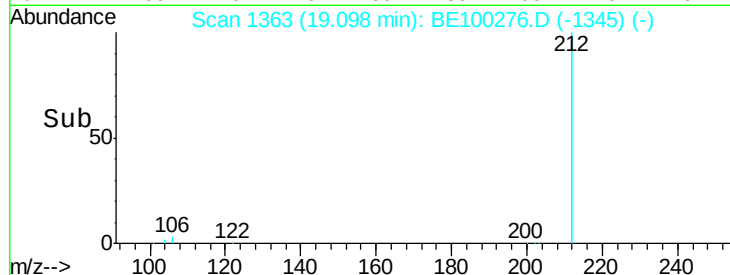
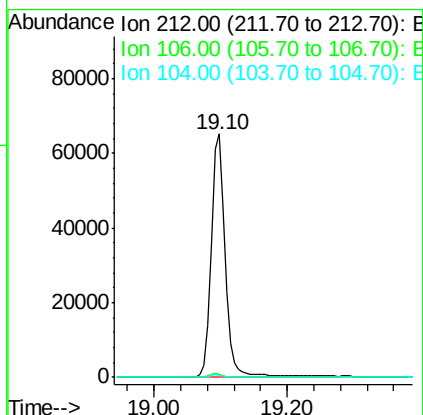
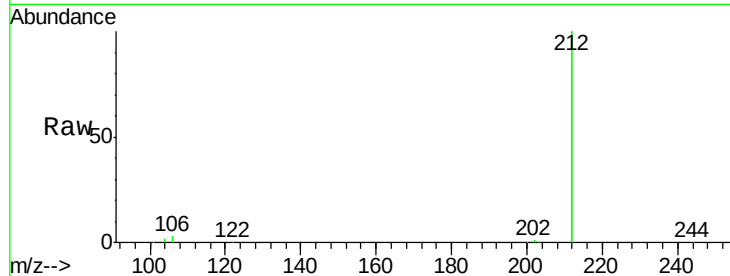




#25  
 Fluoranthene-d10  
 Concen: 0.393 ng  
 RT: 19.10 min Scan# 1363  
 Delta R.T. 0.00 min  
 Lab File: BE100276.D  
 Acq: 1 Jul 2019 21:30

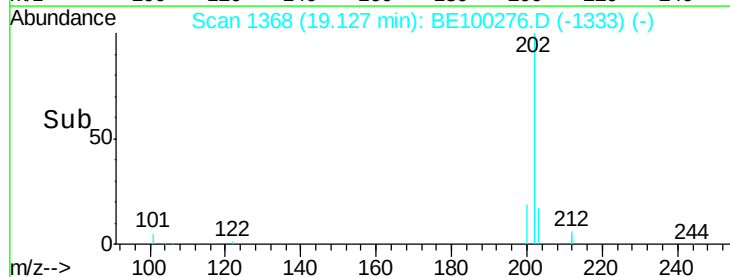
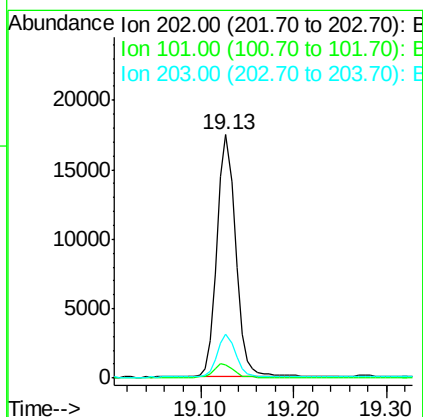
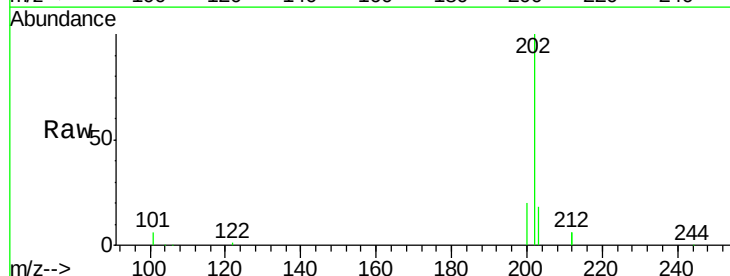
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

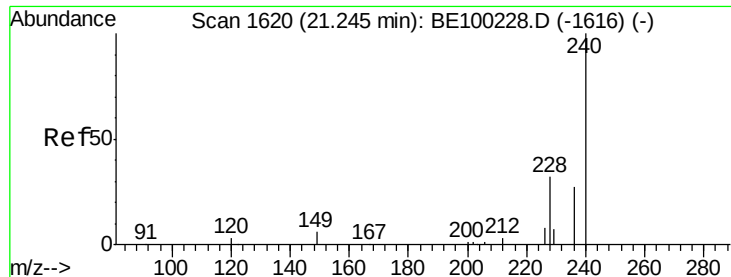
Tot Ion:212 Resp: 92643  
 Ion Ratio Lower Upper  
 212 100  
 106 1.6 1.3 1.9  
 104 0.9 0.8 1.2



#26  
 Fluoranthene  
 Concen: 0.391 ng  
 RT: 19.13 min Scan# 1368  
 Delta R.T. 0.00 min  
 Lab File: BE100276.D  
 Acq: 1 Jul 2019 21:30

Tgt Ion:202 Resp: 24498  
 Ion Ratio Lower Upper  
 202 100  
 101 5.8 4.6 7.0  
 203 17.0 13.7 20.5

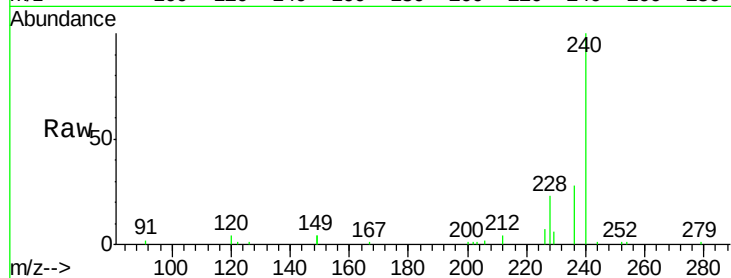




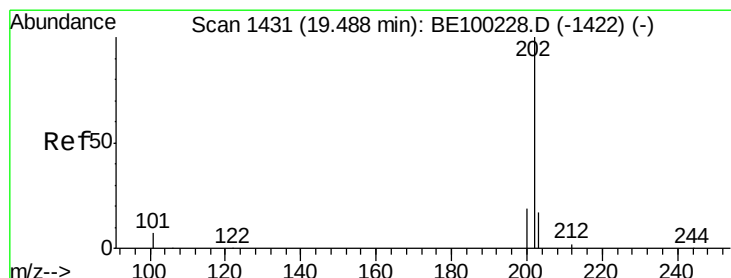
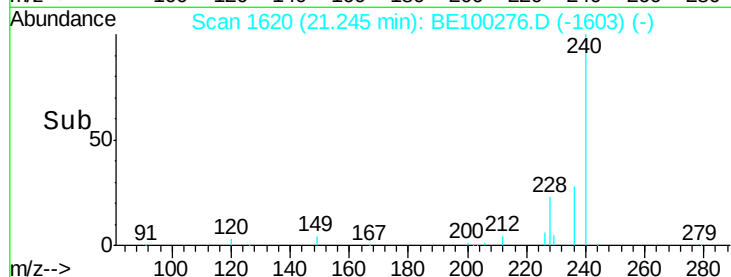
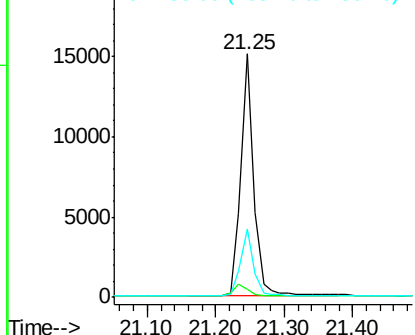
#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.25 min Scan# 1620  
 Delta R.T. 0.00 min  
 Lab File: BE100276.D  
 Acq: 1 Jul 2019 21:30

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

Tot Ion:240 Resp: 19905  
 Ion Ratio Lower Upper  
 240 100  
 120 3.6 3.3 4.9  
 236 28.0 22.6 34.0

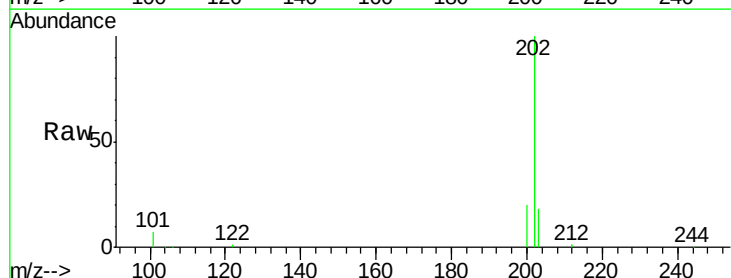


Abundance Ion 240.00 (239.70 to 240.70): E  
 Ion 120.00 (119.70 to 120.70): E  
 Ion 236.00 (235.70 to 236.70): E

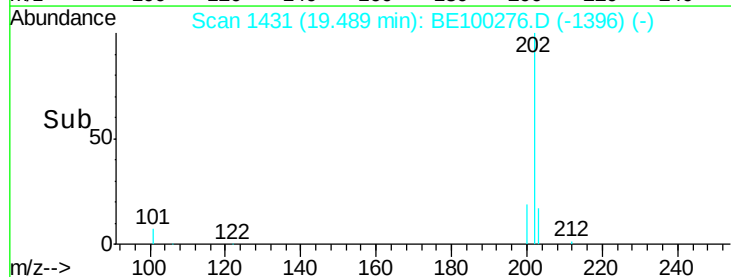
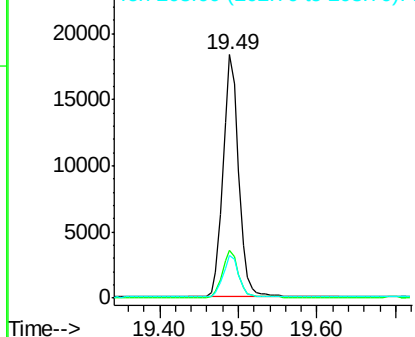


#28  
 Pyrene  
 Concen: 0.483 ng  
 RT: 19.49 min Scan# 1431  
 Delta R.T. 0.00 min  
 Lab File: BE100276.D  
 Acq: 1 Jul 2019 21:30

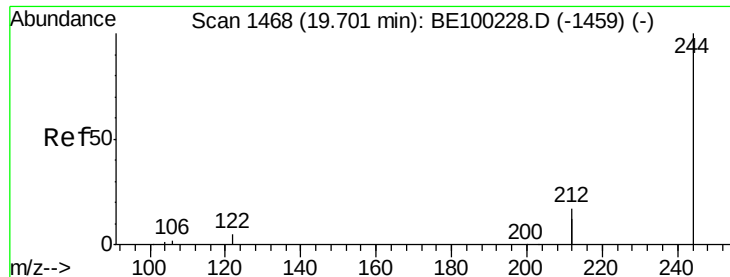
Tgt Ion:202 Resp: 25434  
 Ion Ratio Lower Upper  
 202 100  
 200 19.6 15.6 23.4  
 203 17.6 14.0 21.0



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: 0.487 ng

RT: 19.70 min Scan# 1467

Delta R.T. -0.01 min

Lab File: BE100276.D

Acq: 1 Jul 2019 21:30

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

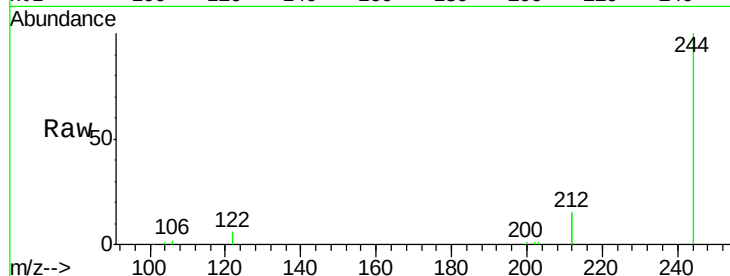
Tot Ion:244 Resp: 20083

Ion Ratio Lower Upper

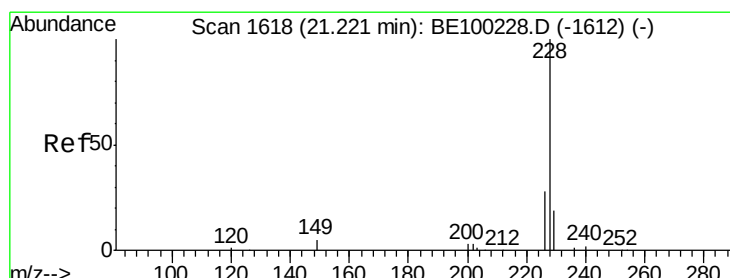
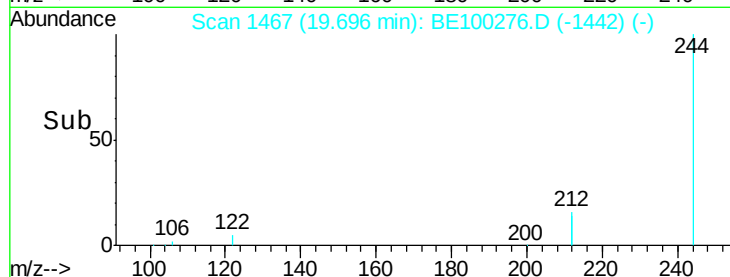
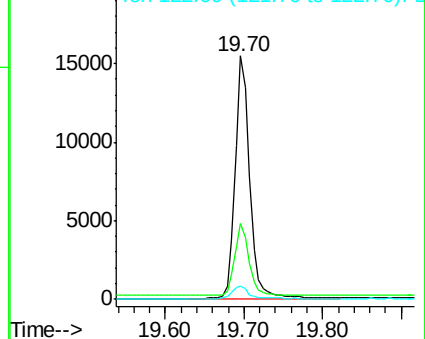
244 100

212 30.9 27.3 40.9

122 5.6 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: 0.445 ng

RT: 21.23 min Scan# 1619

Delta R.T. 0.01 min

Lab File: BE100276.D

Acq: 1 Jul 2019 21:30

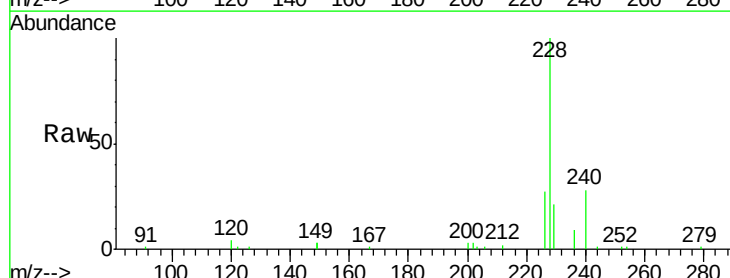
Tgt Ion:228 Resp: 29095

Ion Ratio Lower Upper

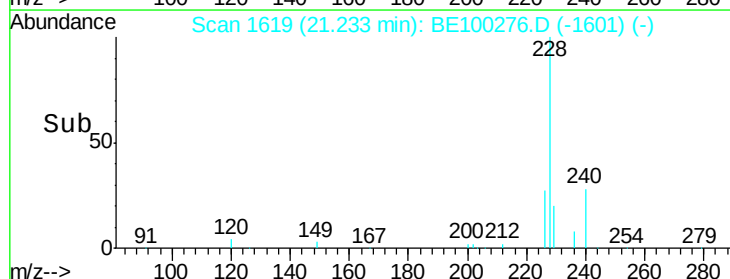
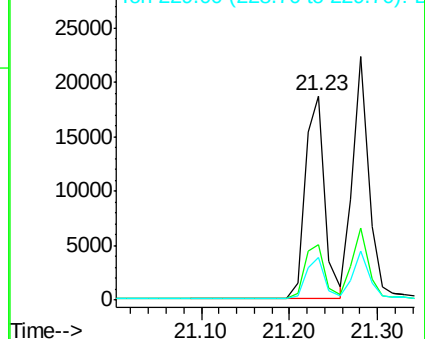
228 100

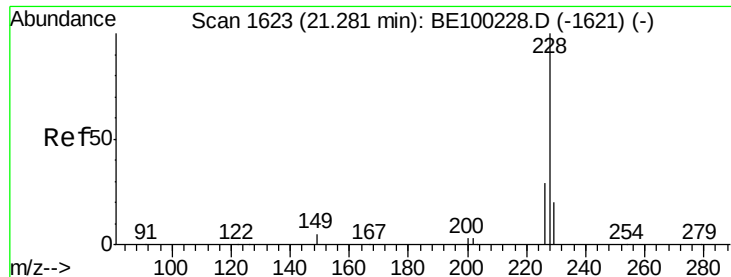
226 27.1 23.2 34.8

229 21.0 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: 0.436 ng

RT: 21.28 min Scan# 1623

Delta R.T. 0.00 min

Lab File: BE100276.D

Acq: 1 Jul 2019 21:30

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

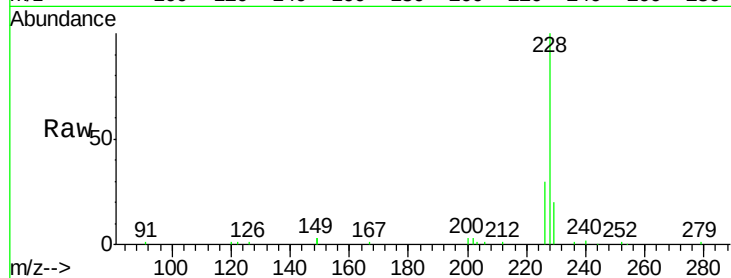
Tot Ion:228 Resp: 28644

Ion Ratio Lower Upper

228 100

226 29.8 23.9 35.9

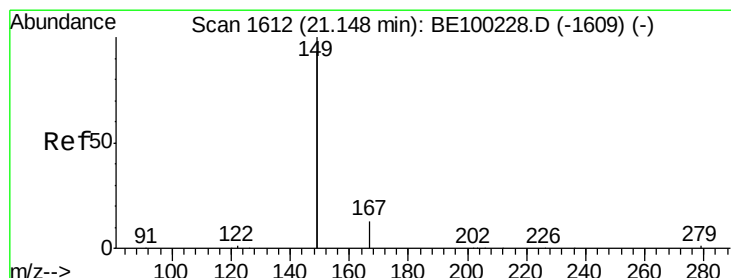
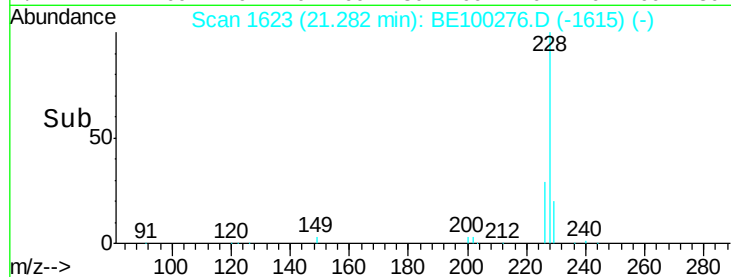
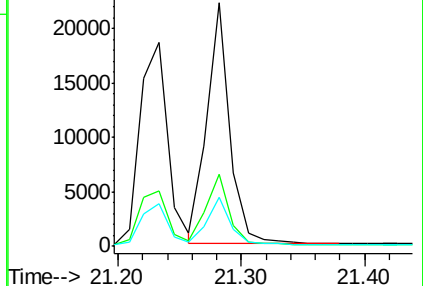
229 20.1 16.5 24.7



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: 0.422 ng

RT: 21.15 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BE100276.D

Acq: 1 Jul 2019 21:30

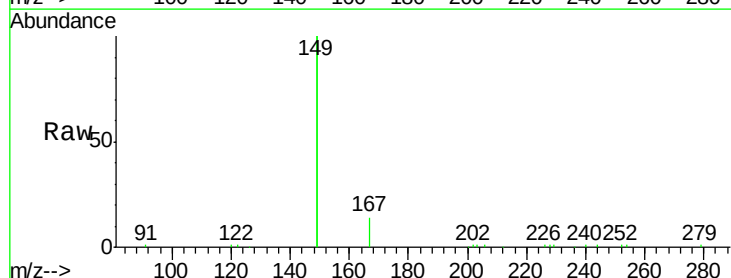
Tgt Ion:149 Resp: 44375

Ion Ratio Lower Upper

149 100

167 7.4 5.8 8.8

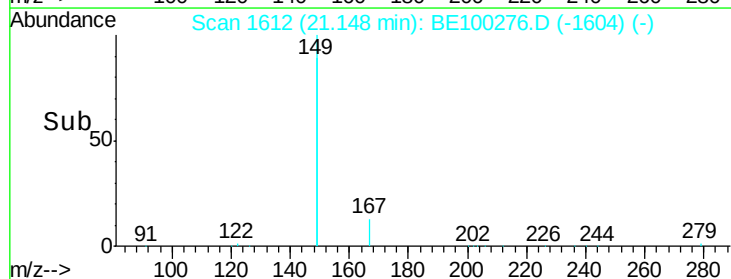
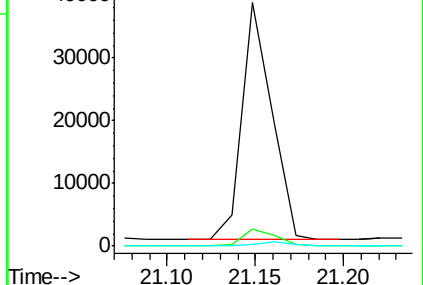
279 1.5 1.1 1.7

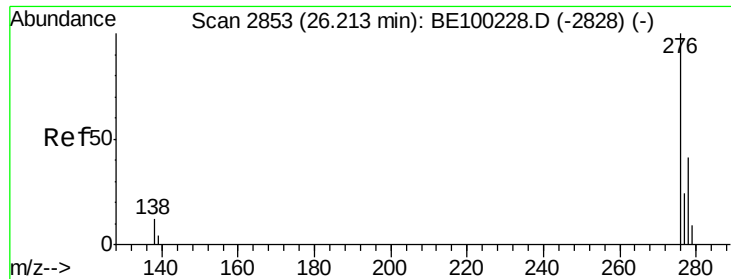


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

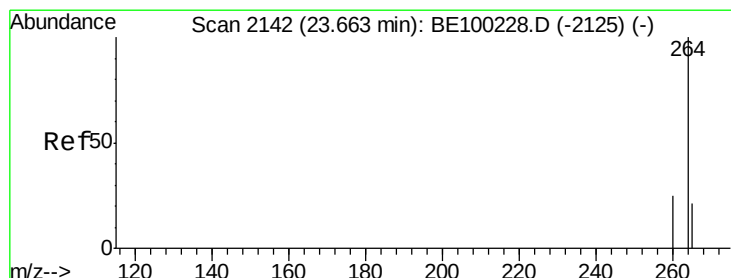
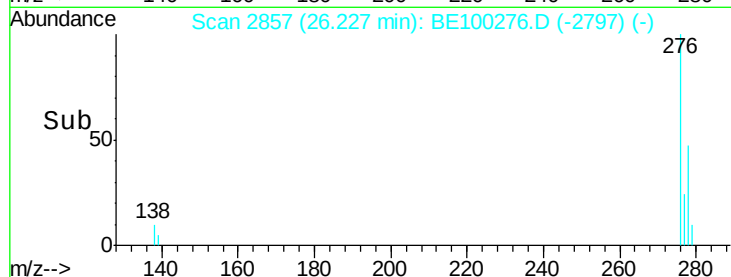
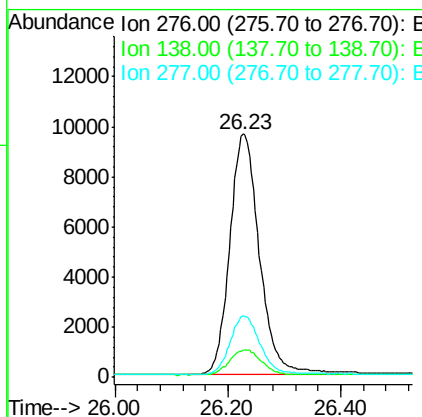
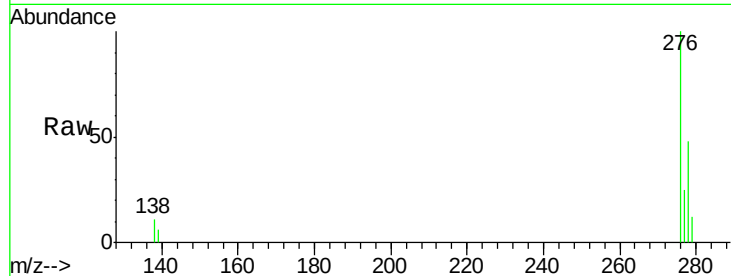




#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.400 ng  
 RT: 26.23 min Scan# 2857  
 Delta R.T. 0.01 min  
 Lab File: BE100276.D  
 Acq: 1 Jul 2019 21:30

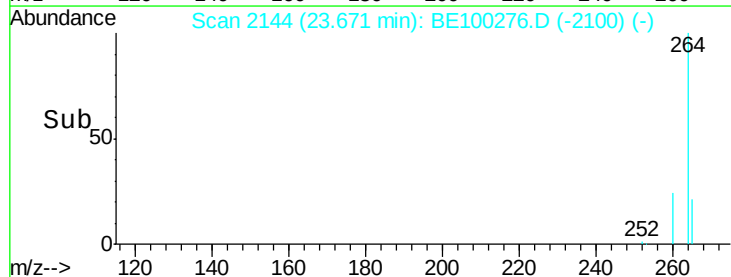
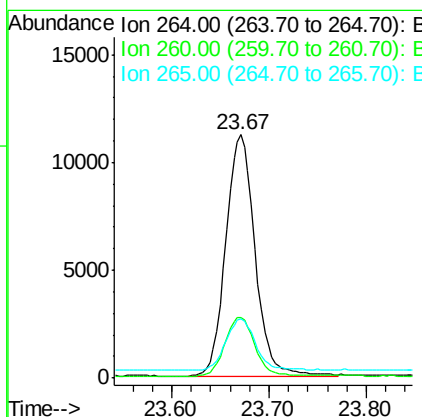
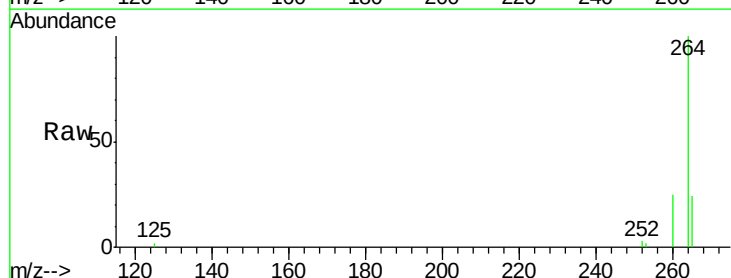
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

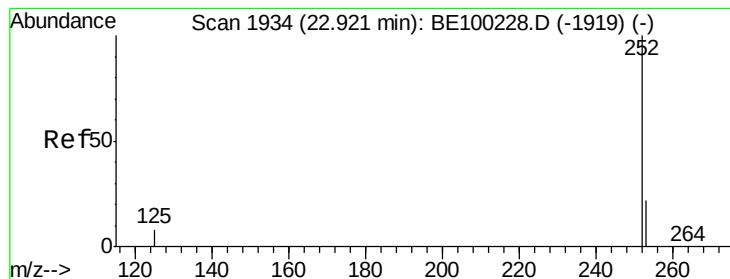
Tot Ion:276 Resp: 34808  
 Ion Ratio Lower Upper  
 276 100  
 138 11.4 9.4 14.0  
 277 24.7 19.2 28.8



#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.67 min Scan# 2144  
 Delta R.T. 0.01 min  
 Lab File: BE100276.D  
 Acq: 1 Jul 2019 21:30

Tgt Ion:264 Resp: 23458  
 Ion Ratio Lower Upper  
 264 100  
 260 25.0 20.8 31.2  
 265 24.2 21.8 32.6





#35

Benzo(b)fluoranthene

Concen: 0.429 ng

RT: 22.93 min Scan# 1935

Delta R.T. 0.00 min

Lab File: BE100276.D

Acq: 1 Jul 2019 21:30

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

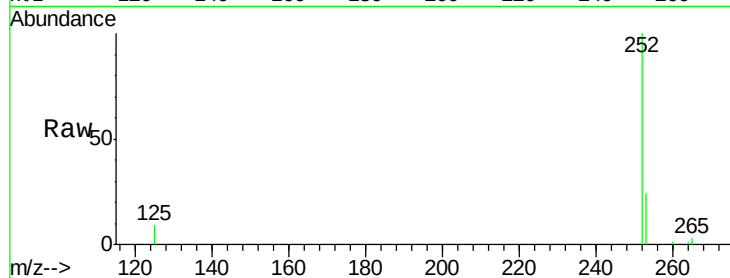
Tot Ion:252 Resp: 27273

Ion Ratio Lower Upper

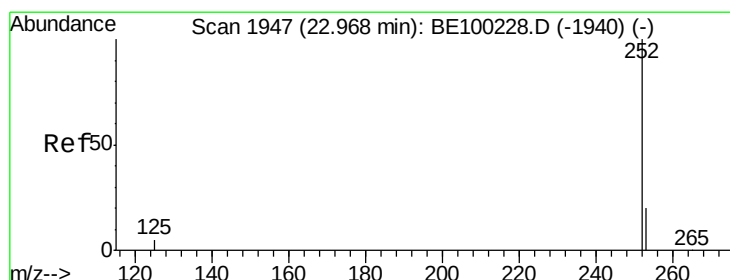
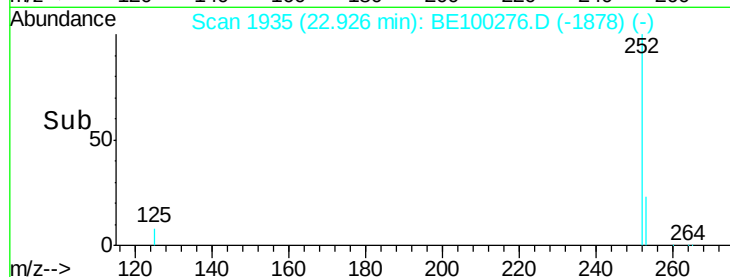
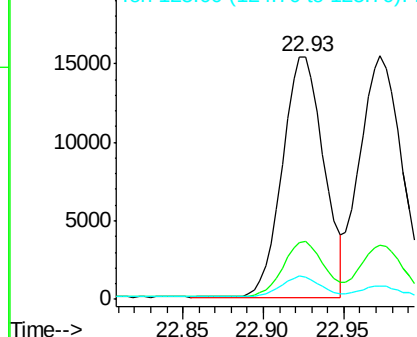
252 100

253 23.7 19.2 28.8

125 9.1 7.4 11.0



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



#36

Benzo(k)fluoranthene

Concen: 0.402 ng

RT: 22.97 min Scan# 1948

Delta R.T. 0.00 min

Lab File: BE100276.D

Acq: 1 Jul 2019 21:30

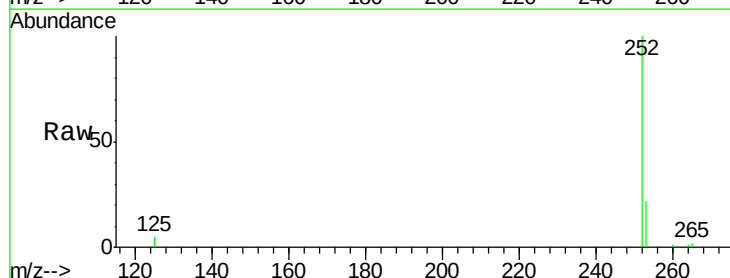
Tgt Ion:252 Resp: 28528

Ion Ratio Lower Upper

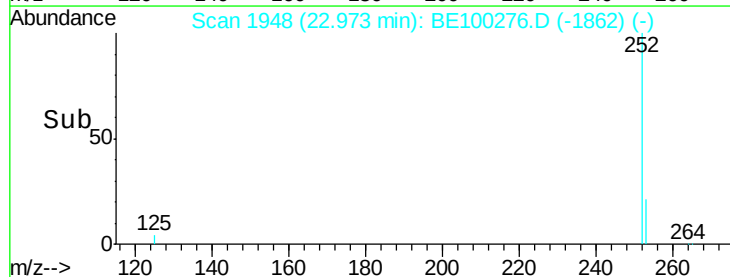
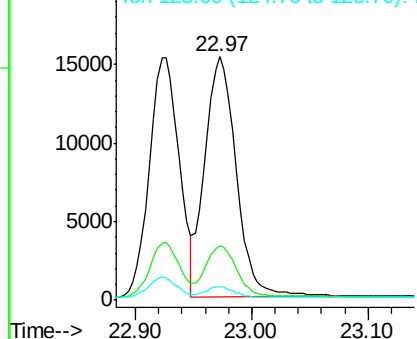
252 100

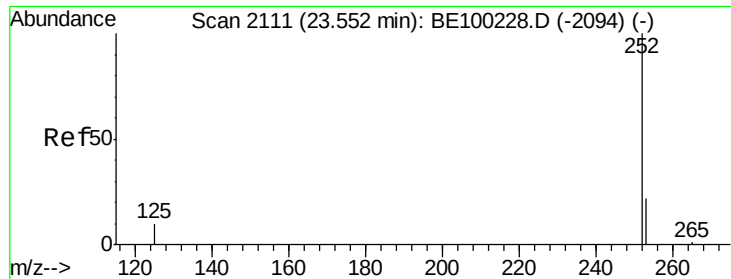
253 22.4 17.9 26.9

125 5.3 5.0 7.4



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.417 ng

RT: 23.56 min Scan# 2113

Delta R.T. 0.01 min

Lab File: BE100276.D

Acq: 1 Jul 2019 21:30

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

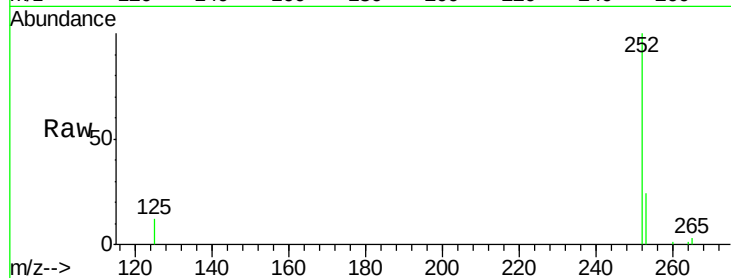
Tot Ion:252 Resp: 26610

Ion Ratio Lower Upper

252 100

253 24.4 19.6 29.4

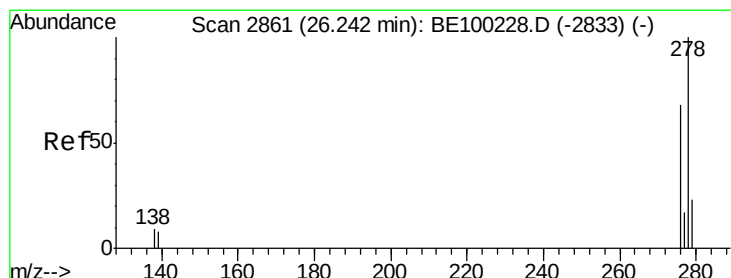
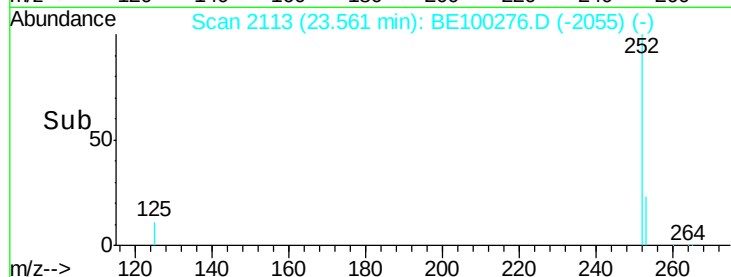
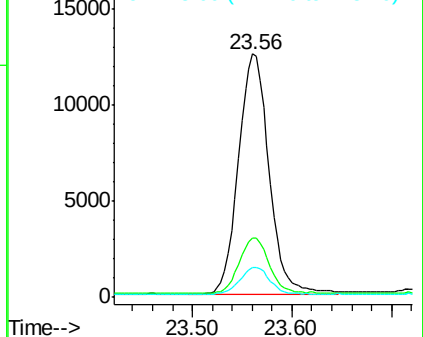
125 12.4 9.0 13.6



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: 0.424 ng

RT: 26.25 min Scan# 2864

Delta R.T. 0.01 min

Lab File: BE100276.D

Acq: 1 Jul 2019 21:30

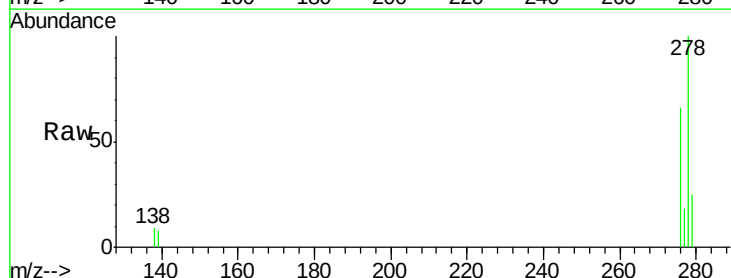
Tgt Ion:278 Resp: 28205

Ion Ratio Lower Upper

278 100

139 8.2 8.2 12.2

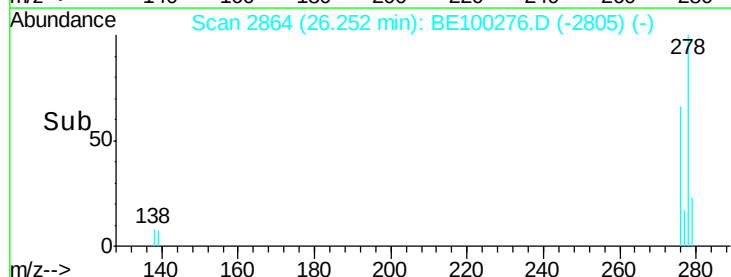
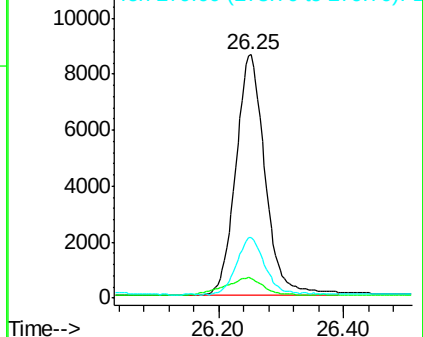
279 24.9 20.3 30.5

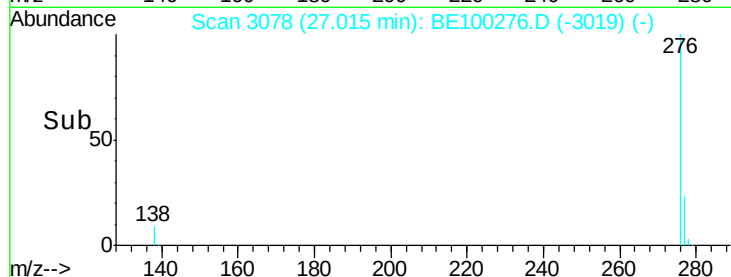
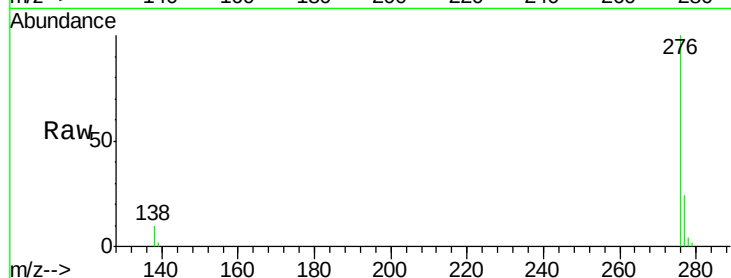
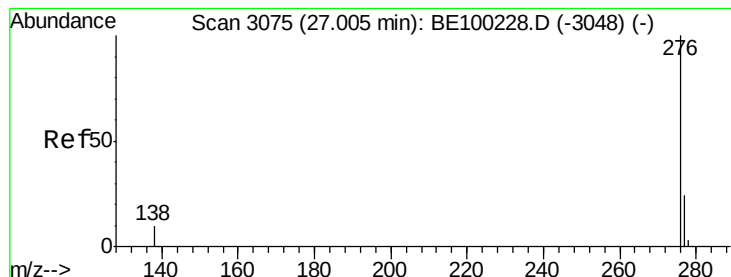


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.419 ng

RT: 27.02 min Scan# 3078

Delta R.T. 0.01 min

Lab File: BE100276.D

Acq: 1 Jul 2019 21:30

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

Tot Ion:276 Resp: 28655

Ion Ratio Lower Upper

276 100

277 24.5 20.2 30.2

138 10.1 9.0 13.6

