

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062819\  
 Data File : BE100226.D  
 Acq On : 28 Jun 2019 9:05  
 Operator : JU/SJ  
 Sample : SSTDICC0.1  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Jun 28 12:19:35 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 12:13:05 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.65  | 152  | 511      | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.44 | 136  | 1905     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.33 | 164  | 1535     | 0.40 | ng    | 0.02     |
| 19) Phenanthrene-d10      | 17.07 | 188  | 4701     | 0.40 | ng    | 0.01     |
| 27) Chrysene-d12          | 21.25 | 240  | 7249     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.66 | 264  | 9094     | 0.40 | ng    | 0.00     |

|                             |       |     |      |      |    |      |
|-----------------------------|-------|-----|------|------|----|------|
| System Monitoring Compounds |       |     |      |      |    |      |
| 4) 2-Fluorophenol           | 5.22  | 112 | 126  | 0.11 | ng | 0.00 |
| 5) Phenol-d6                | 6.86  | 99  | 44   | 0.03 | ng | 0.02 |
| 8) Nitrobenzene-d5          | 8.85  | 82  | 137  | 0.07 | ng | 0.02 |
| 11) 2-Methylnaphthalene-d10 | 12.08 | 152 | 360  | 0.10 | ng | 0.03 |
| 14) 2,4,6-Tribromophenol    | 15.84 | 330 | 85   | 0.10 | ng | 0.01 |
| 15) 2-Fluorobiphenyl        | 12.96 | 172 | 615  | 0.10 | ng | 0.02 |
| 25) Fluoranthene-d10        | 19.10 | 212 | 6659 | 0.10 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.70 | 244 | 1472 | 0.10 | ng | 0.00 |

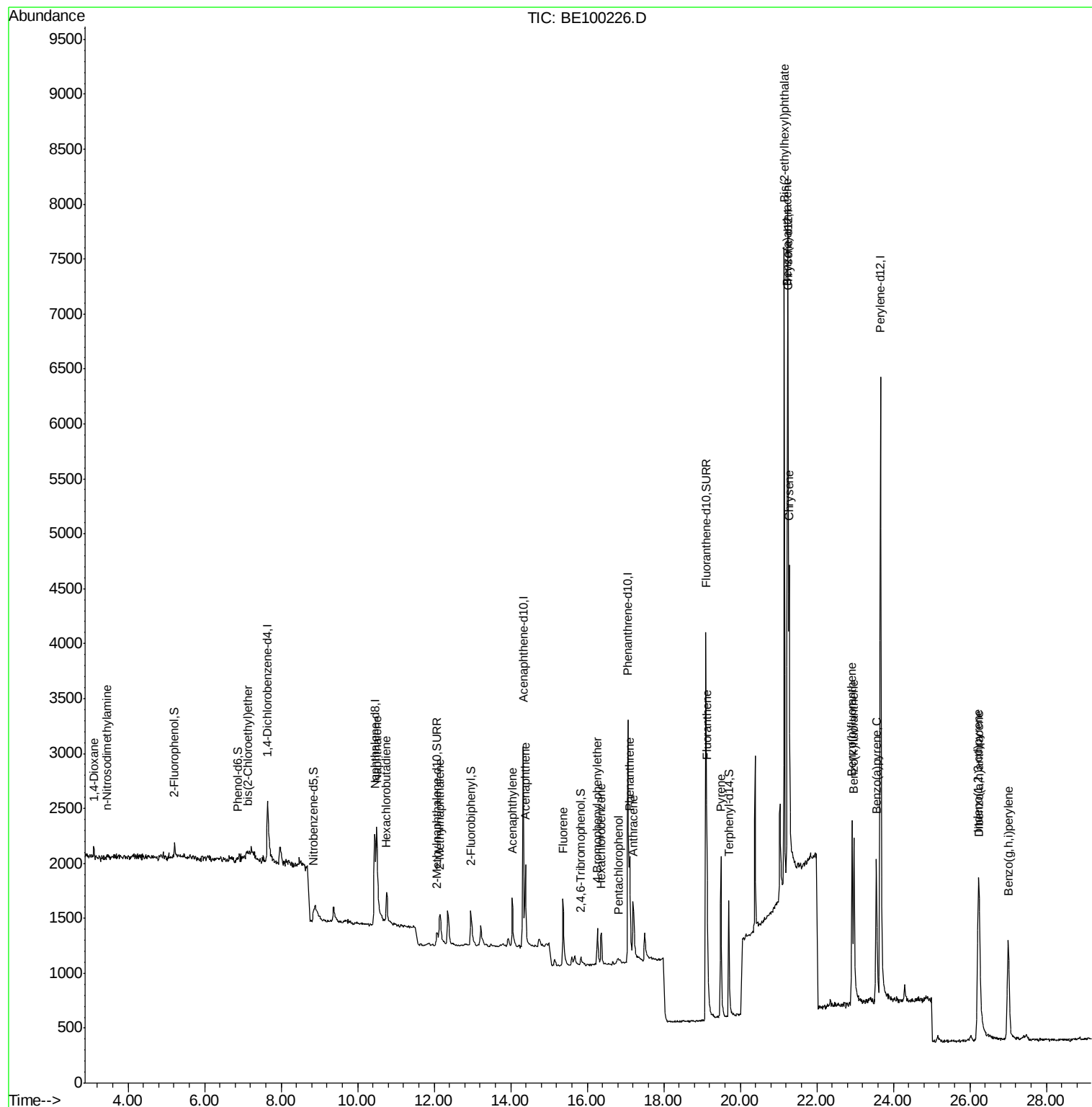
|                                |       |     |      |        |    |       |
|--------------------------------|-------|-----|------|--------|----|-------|
| Target Compounds               |       |     |      | Qvalue |    |       |
| 2) 1,4-Dioxane                 | 3.10  | 88  | 106  | 0.133  | ng | # 83  |
| 3) n-Nitrosodimethylamine      | 3.45  | 42  | 20   | 0.068  | ng | # 1   |
| 6) bis(2-Chloroethyl)ether     | 7.13  | 93  | 100  | 0.070  | ng | # 1   |
| 9) Naphthalene                 | 10.50 | 128 | 2259 | 0.109  | ng | # 88  |
| 10) Hexachlorobutadiene        | 10.76 | 225 | 210  | 0.098  | ng | # 93  |
| 12) 2-Methylnaphthalene        | 12.15 | 142 | 381  | 0.114  | ng | # 91  |
| 16) Acenaphthylene             | 14.04 | 152 | 742  | 0.099  | ng | # 97  |
| 17) Acenaphthene               | 14.39 | 154 | 414  | 0.099  | ng | # 99  |
| 18) Fluorene                   | 15.37 | 166 | 613  | 0.101  | ng | # 98  |
| 20) 4-Bromophenyl-phenylether  | 16.26 | 248 | 289  | 0.099  | ng | # 81  |
| 21) Hexachlorobenzene          | 16.37 | 284 | 314  | 0.098  | ng | # 94  |
| 22) Pentachlorophenol          | 16.81 | 266 | 84   | 0.112  | ng | # 82  |
| 23) Phenanthrene               | 17.11 | 178 | 1098 | 0.099  | ng | # 98  |
| 24) Anthracene                 | 17.20 | 178 | 856  | 0.091  | ng | # 97  |
| 26) Fluoranthene               | 19.13 | 202 | 1764 | 0.097  | ng | # 100 |
| 28) Pyrene                     | 19.49 | 202 | 1871 | 0.101  | ng | # 99  |
| 30) Benzo(a)anthracene         | 21.23 | 228 | 2249 | 0.105  | ng | # 96  |
| 31) Chrysene                   | 21.28 | 228 | 2361 | 0.094  | ng | # 94  |
| 32) Bis(2-ethylhexyl)phthalate | 21.15 | 149 | 6005 | 0.244  | ng | # 97  |
| 33) Indeno(1,2,3-cd)pyrene     | 26.22 | 276 | 3067 | 0.086  | ng | # 88  |
| 35) Benzo(b)fluoranthene       | 22.92 | 252 | 2330 | 0.095  | ng | # 88  |
| 36) Benzo(k)fluoranthene       | 22.97 | 252 | 2730 | 0.093  | ng | # 86  |
| 37) Benzo(a)pyrene             | 23.56 | 252 | 2390 | 0.094  | ng | # 77  |
| 38) Dibenzo(a,h)anthracene     | 26.24 | 278 | 2466 | 0.091  | ng | # 81  |
| 39) Benzo(g,h,i)perylene       | 27.00 | 276 | 2595 | 0.092  | ng | # 89  |

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

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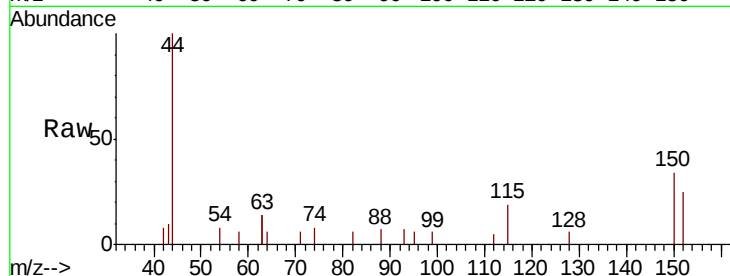


#1

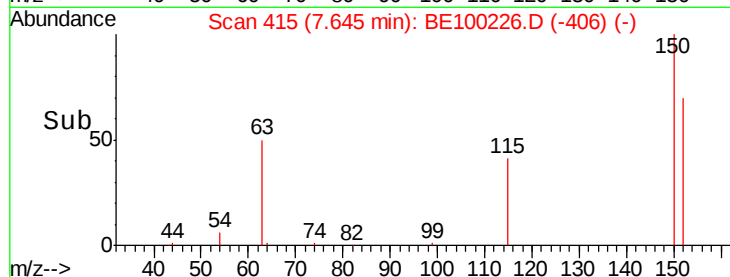
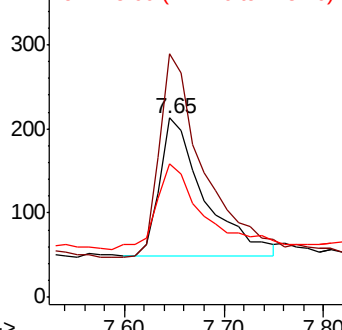
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.65 min Scan# 415  
Delta R.T. 0.00 min  
Lab File: BE100226.D  
Acq: 28 Jun 2019 9:05

Instrument :  
BNA\_E  
ClientSampled :

Tot Ion:152 Resp: 511  
Ion Ratio Lower Upper  
152 100  
150 135.7 114.5 171.7  
115 74.6 57.1 85.7



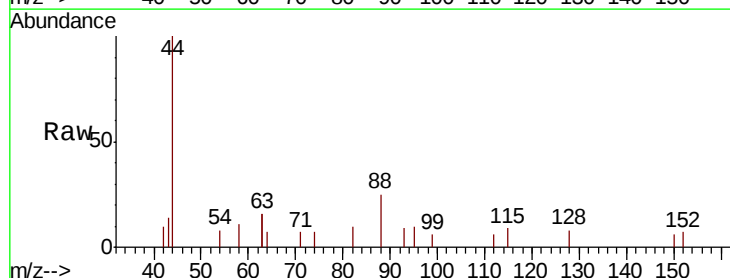
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



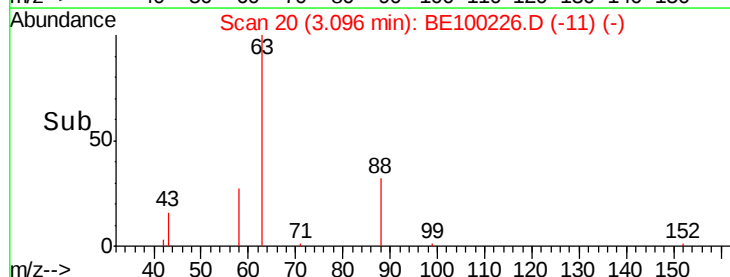
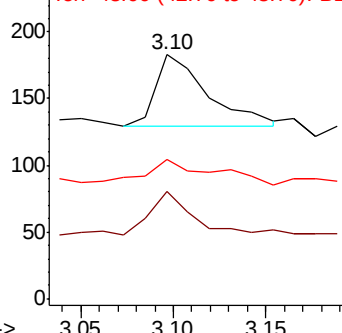
#2

1,4-Dioxane  
Concen: 0.133 ng  
RT: 3.10 min Scan# 20  
Delta R.T. 0.00 min  
Lab File: BE100226.D  
Acq: 28 Jun 2019 9:05

Tgt Ion: 88 Resp: 106  
Ion Ratio Lower Upper  
88 100  
58 57.5 43.6 65.4  
43 49.1 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: 0.068 ng

RT: 3.45 min Scan# 51

Delta R.T. -0.01 min

Lab File: BE100226.D

Acq: 28 Jun 2019 9:05

Instrument :

BNA\_E

ClientSampled :

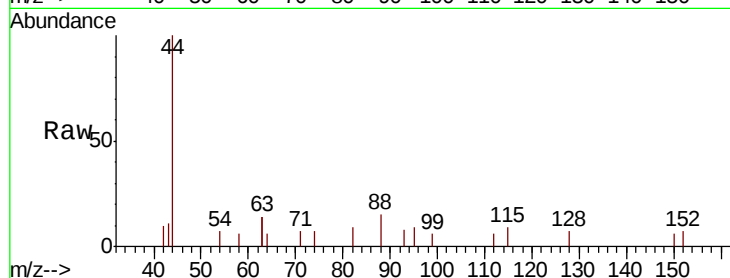
Tot Ion: 42 Resp: 20

Ion Ratio Lower Upper

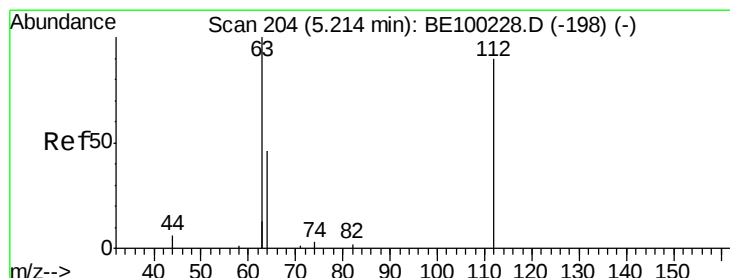
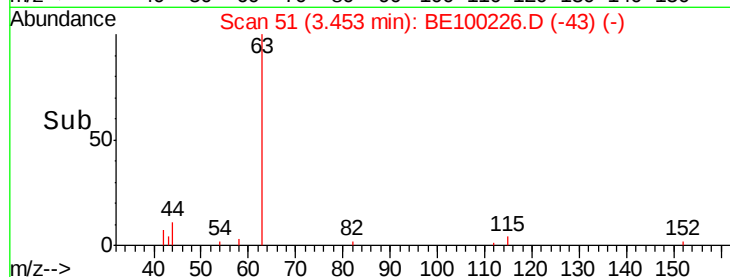
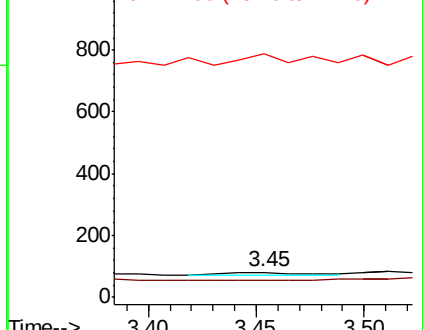
42 100

74 0.0 130.6 196.0#

44 260.0 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: 0.111 ng

RT: 5.22 min Scan# 204

Delta R.T. 0.00 min

Lab File: BE100226.D

Acq: 28 Jun 2019 9:05

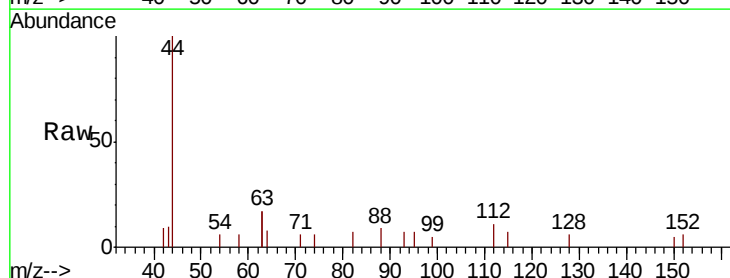
Tgt Ion: 112 Resp: 126

Ion Ratio Lower Upper

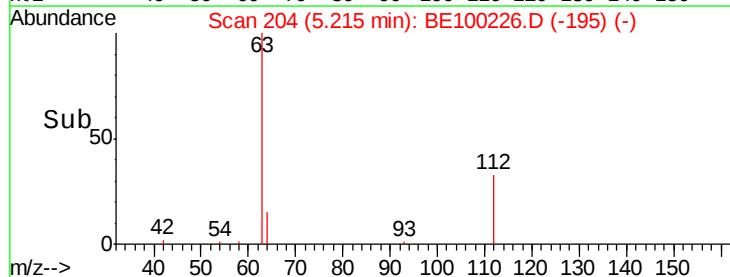
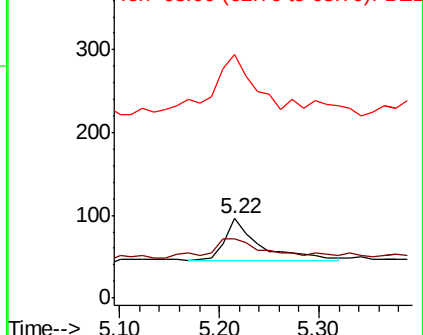
112 100

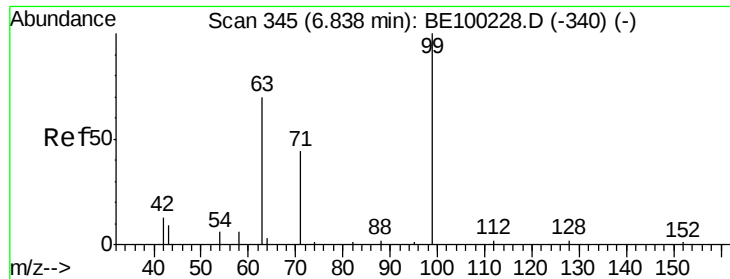
64 72.2 39.4 59.0#

63 165.9 104.5 156.7#



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BE1  
Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.028 ng

RT: 6.86 min Scan# 347

Delta R.T. 0.02 min

Lab File: BE100226.D

Acq: 28 Jun 2019 9:05

Instrument :

BNA\_E

ClientSampled :

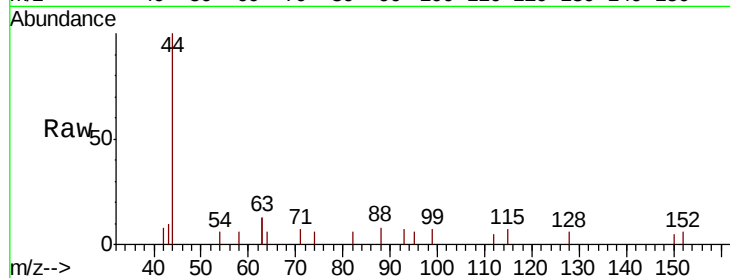
Tot Ion: 99 Resp: 44

Ion Ratio Lower Upper

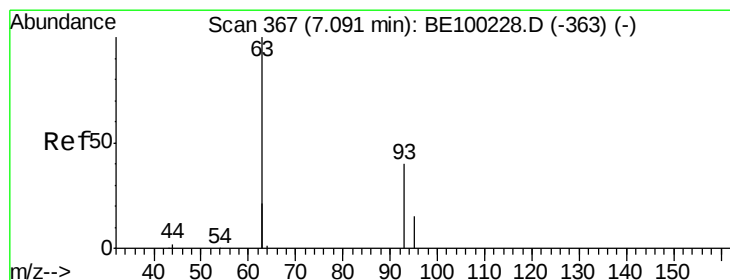
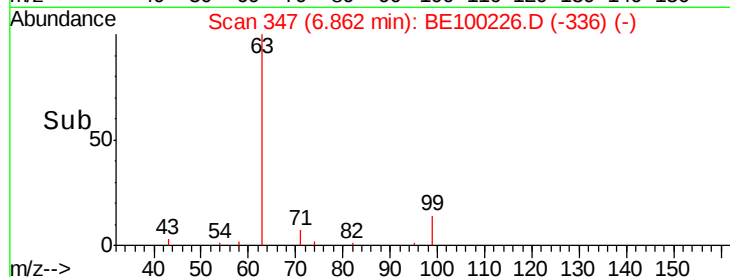
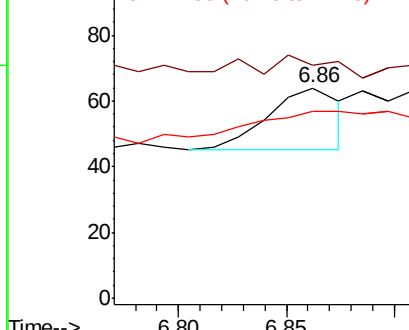
99 100

42 25.0 11.2 16.8#

71 154.5 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: 0.070 ng

RT: 7.13 min Scan# 370

Delta R.T. 0.04 min

Lab File: BE100226.D

Acq: 28 Jun 2019 9:05

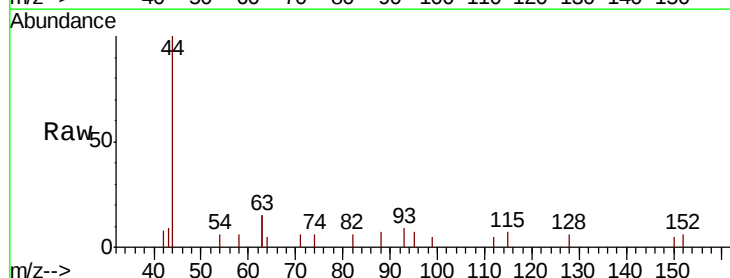
Tgt Ion: 93 Resp: 100

Ion Ratio Lower Upper

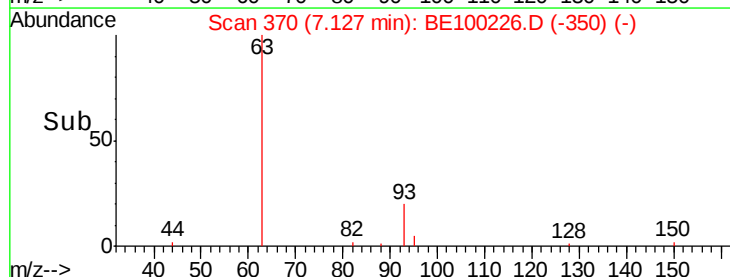
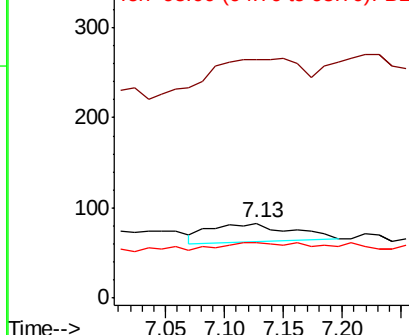
93 100

63 0.0 155.6 233.4#

95 38.0 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: 10.44 min Scan# 637

Delta R.T. -0.00 min

Lab File: BE100226.D

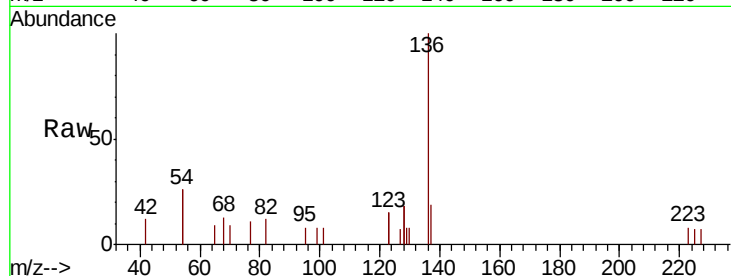
Acq: 28 Jun 2019 9:05

Instrument :

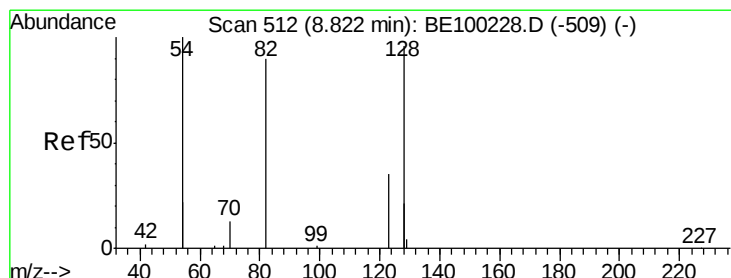
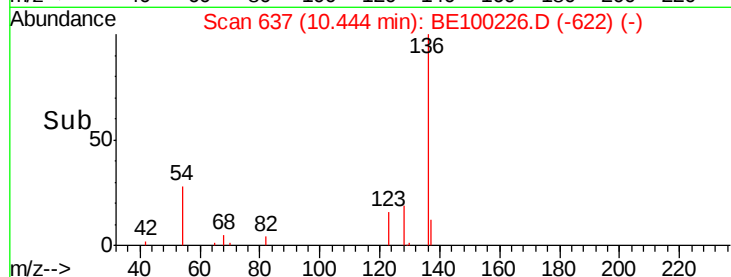
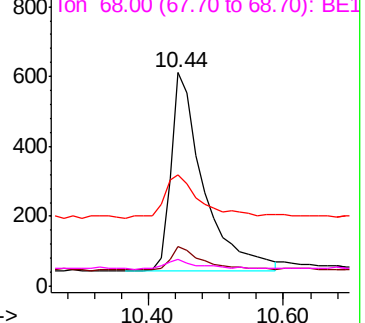
BNA\_E

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 136   | Resp: | 1905  |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 18.8  | 11.8  | 17.8# |
| 54       | 52.0  | 27.7  | 41.5# |
| 68       | 12.8  | 6.8   | 10.2# |



Abundance Ion 136.00 (135.70 to 136.70): E



#8

Nitrobenzene-d5

Concen: 0.072 ng

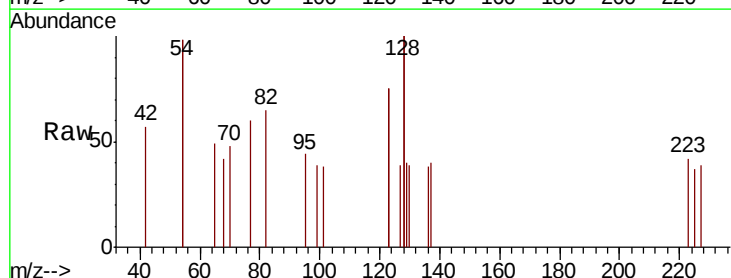
RT: 8.85 min Scan# 514

Delta R.T. 0.02 min

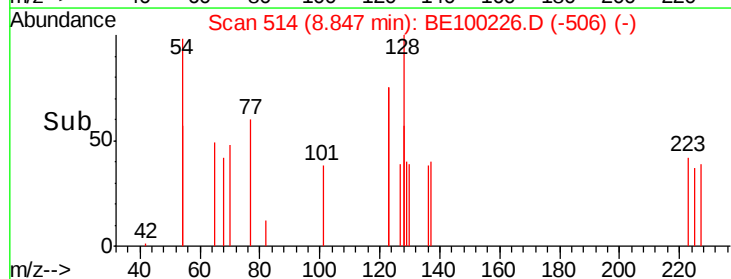
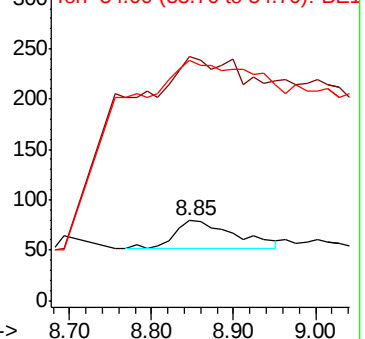
Lab File: BE100226.D

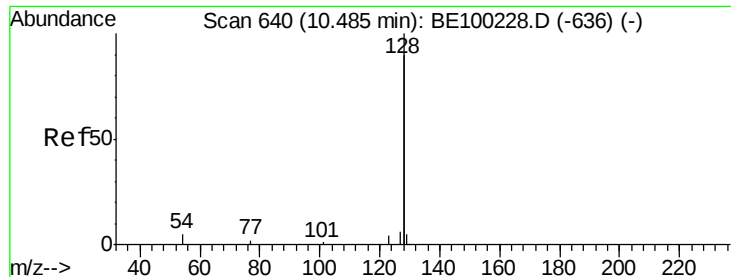
Acq: 28 Jun 2019 9:05

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 137    |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 306.3 | 140.9 | 211.3# |
| 54       | 301.3 | 146.2 | 219.2# |



Abundance Ion 82.00 (81.70 to 82.70): BE1





#9

Naphthalene

Concen: 0.109 ng

RT: 10.50 min Scan# 641

Delta R.T. 0.01 min

Lab File: BE100226.D

Acq: 28 Jun 2019 9:05

Instrument :

BNA\_E

ClientSampled :

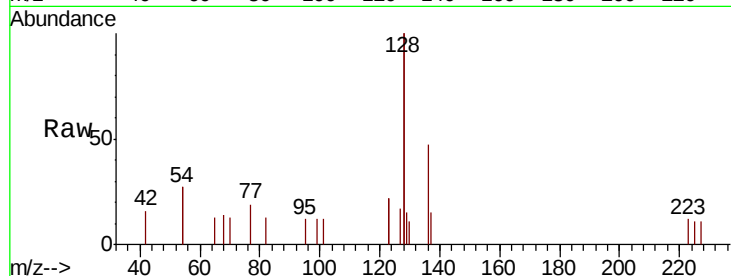
Tot Ion:128 Resp: 2259

Ion Ratio Lower Upper

128 100

129 7.6 3.0 4.6#

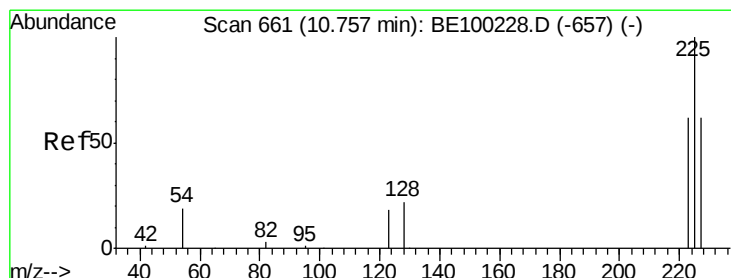
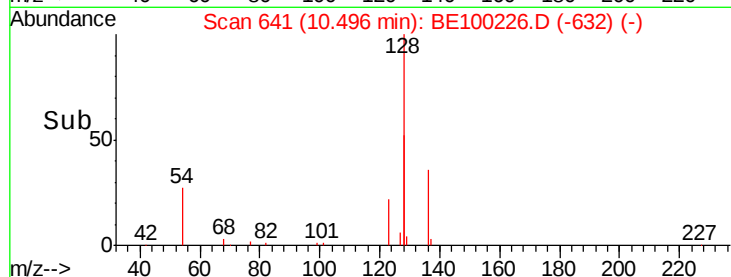
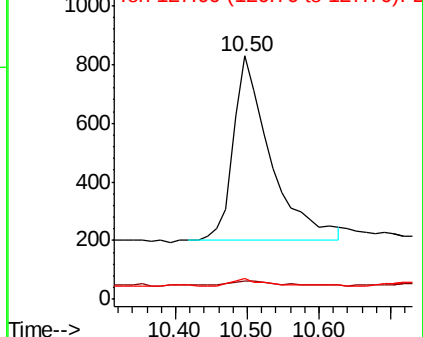
127 8.4 3.5 5.3#



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: 0.098 ng

RT: 10.76 min Scan# 661

Delta R.T. -0.00 min

Lab File: BE100226.D

Acq: 28 Jun 2019 9:05

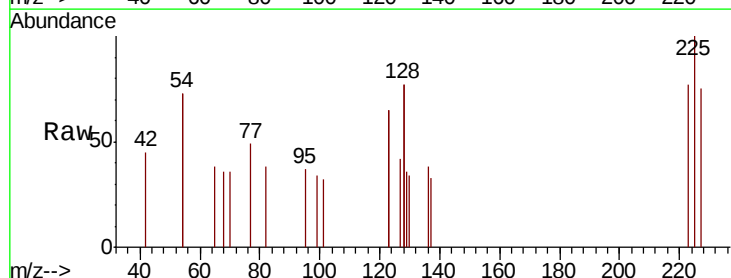
Tgt Ion:225 Resp: 210

Ion Ratio Lower Upper

225 100

223 70.0 49.1 73.7

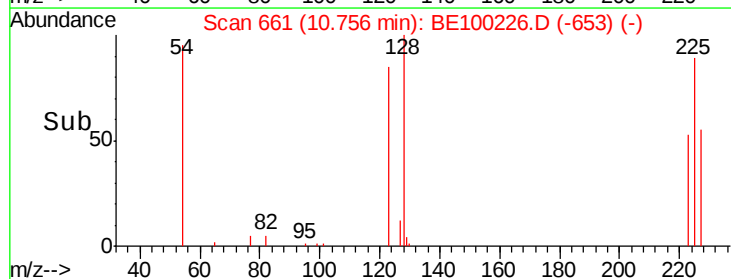
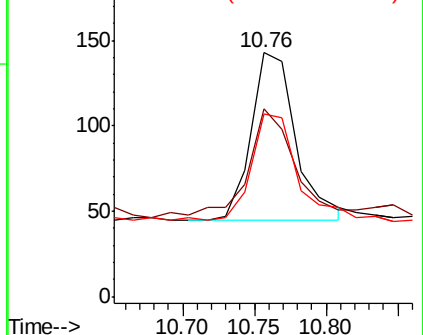
227 63.8 49.3 73.9

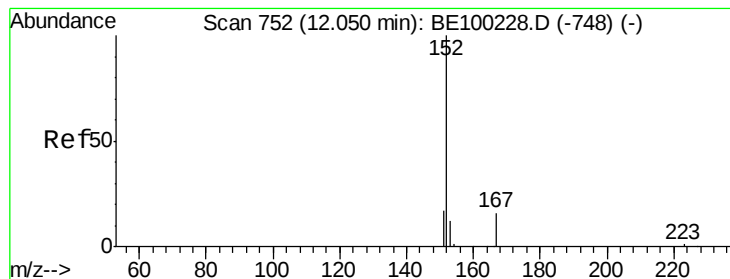


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.101 ng

RT: 12.08 min Scan# 754

Delta R.T. 0.03 min

Lab File: BE100226.D

Acq: 28 Jun 2019 9:05

Instrument :

BNA\_E

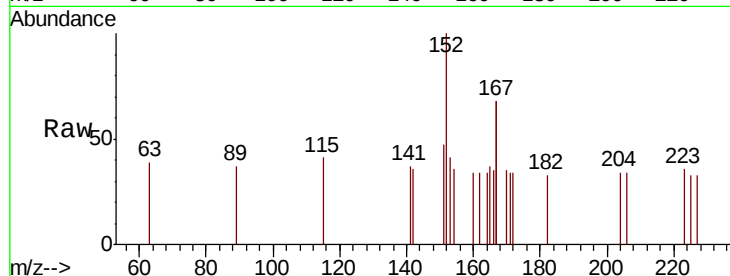
ClientSampleId :

Tot Ion:152 Resp: 360

Ion Ratio Lower Upper

152 100

151 16.9 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

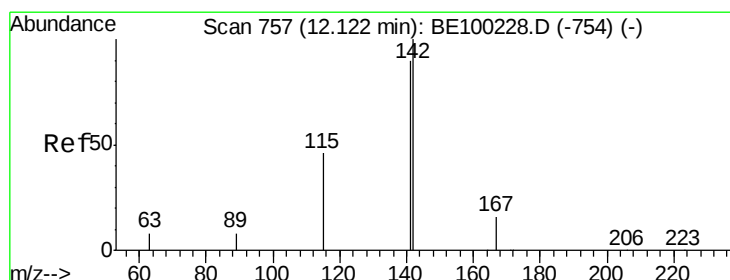
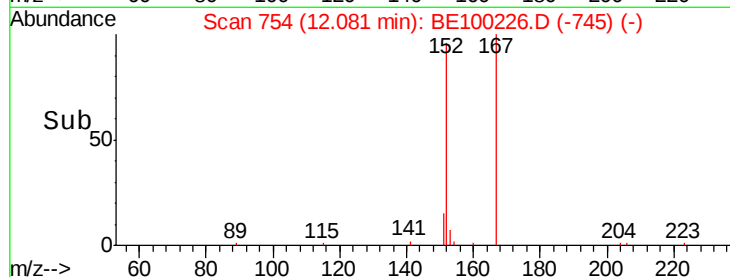
12.08

100

50

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.114 ng

RT: 12.15 min Scan# 759

Delta R.T. 0.03 min

Lab File: BE100226.D

Acq: 28 Jun 2019 9:05

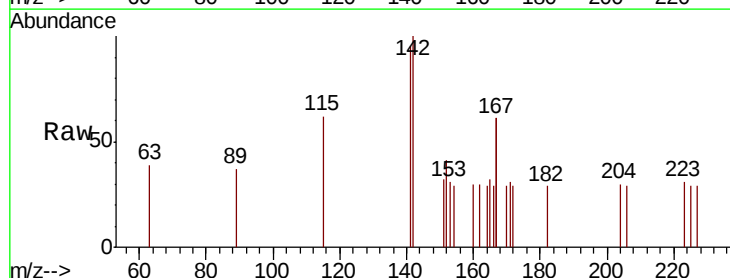
Tgt Ion:142 Resp: 381

Ion Ratio Lower Upper

142 100

141 94.8 72.4 108.6

115 62.1 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

12.15

200

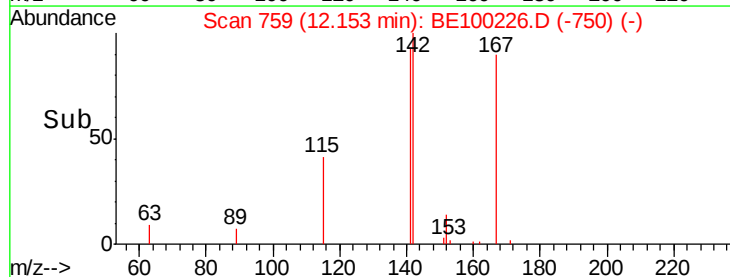
150

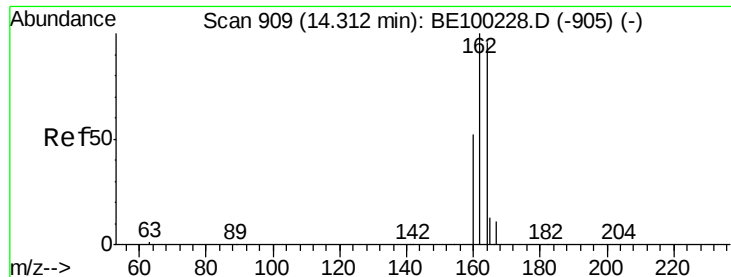
100

50

0

Time-->

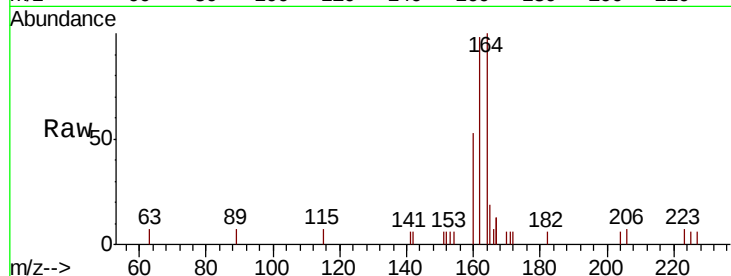




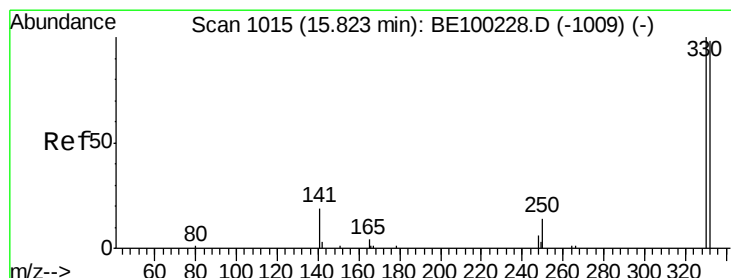
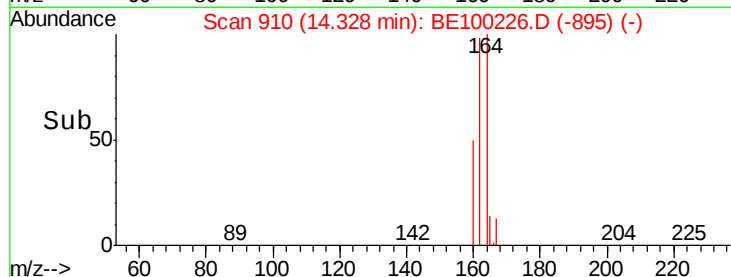
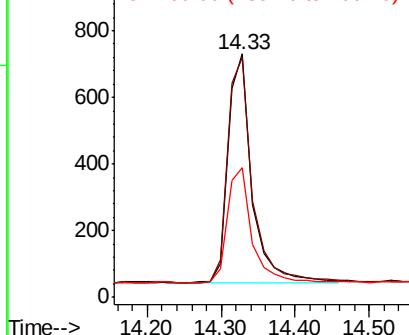
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.33 min Scan# 910  
Delta R.T. 0.02 min  
Lab File: BE100226.D  
Acq: 28 Jun 2019 9:05

Instrument :  
BNA\_E  
ClientSampled :

Tot Ion:164 Resp: 1535  
Ion Ratio Lower Upper  
164 100  
162 98.5 83.4 125.0  
160 53.1 45.0 67.6

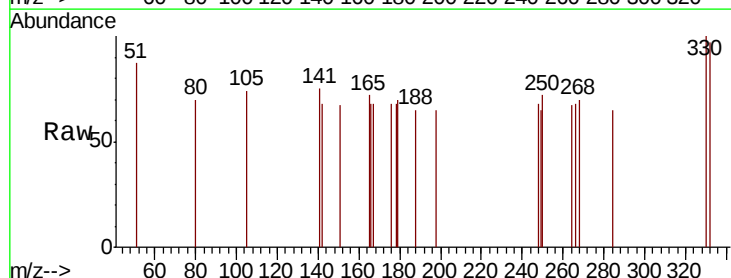


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

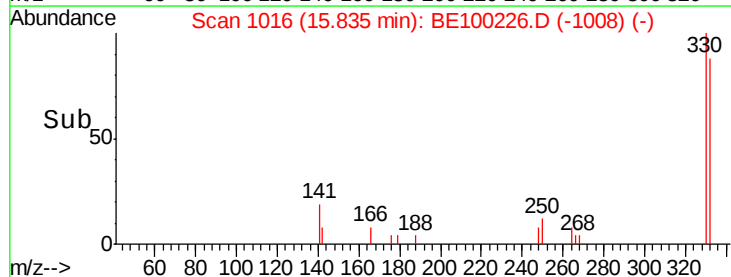
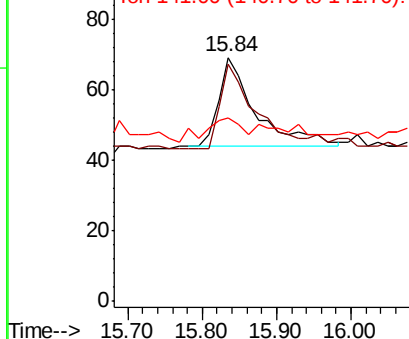


#14  
2,4,6-Tribromophenol  
Concen: 0.096 ng  
RT: 15.84 min Scan# 1016  
Delta R.T. 0.01 min  
Lab File: BE100226.D  
Acq: 28 Jun 2019 9:05

Tgt Ion:330 Resp: 85  
Ion Ratio Lower Upper  
330 100  
332 108.2 77.0 115.4  
141 27.1 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

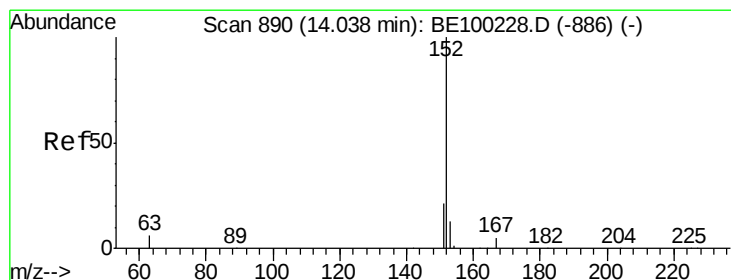
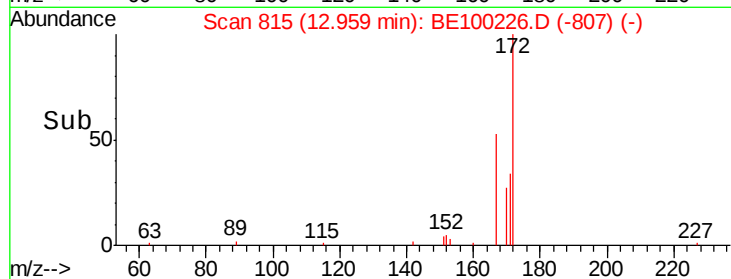
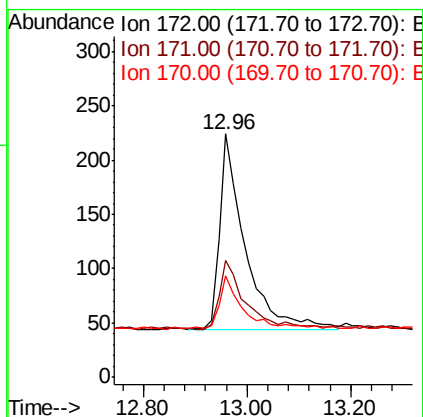
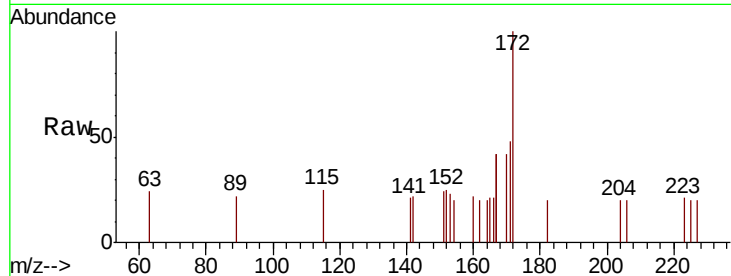




#15  
2-Fluorobiphenyl  
Concen: 0.100 ng  
RT: 12.96 min Scan# 815  
Delta R.T. 0.02 min  
Lab File: BE100226.D  
Acq: 28 Jun 2019 9:05

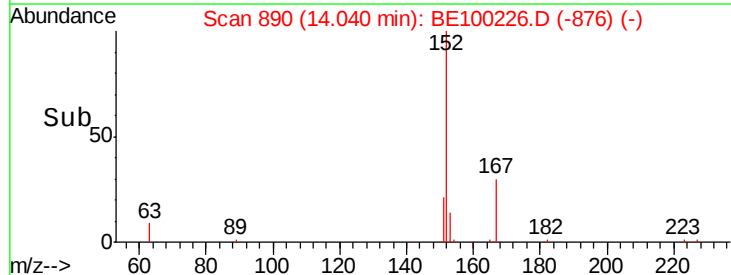
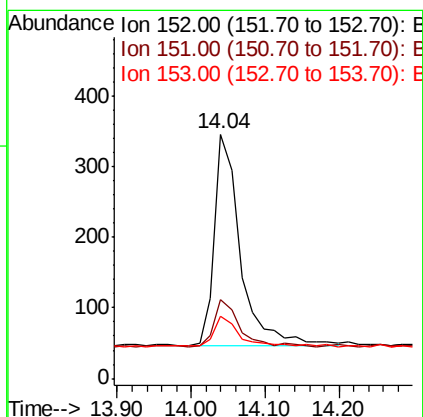
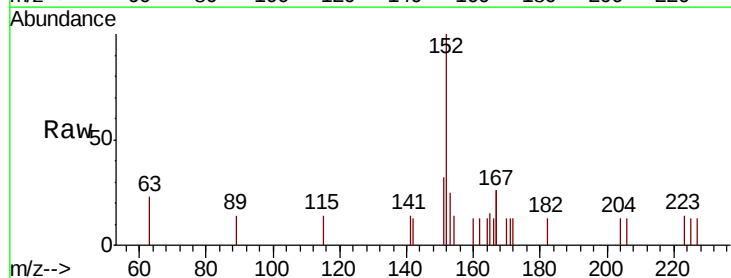
Instrument :  
BNA\_E  
ClientSampleId :

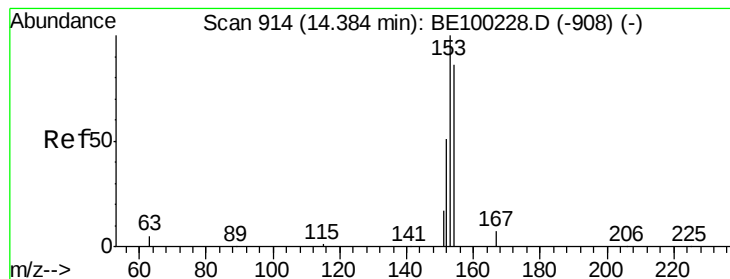
Tot Ion:172 Resp: 615  
Ion Ratio Lower Upper  
172 100  
171 47.8 31.9 47.9  
170 41.5 22.2 33.2#



#16  
Acenaphthylene  
Concen: 0.099 ng  
RT: 14.04 min Scan# 890  
Delta R.T. 0.00 min  
Lab File: BE100226.D  
Acq: 28 Jun 2019 9:05

Tgt Ion:152 Resp: 742  
Ion Ratio Lower Upper  
152 100  
151 20.2 16.6 25.0  
153 15.1 10.5 15.7





#17

Acenaphthene

Concen: 0.099 ng

RT: 14.39 min Scan# 914

Delta R.T. 0.00 min

Lab File: BE100226.D

Acq: 28 Jun 2019 9:05

Instrument :

BNA\_E

ClientSampleId :

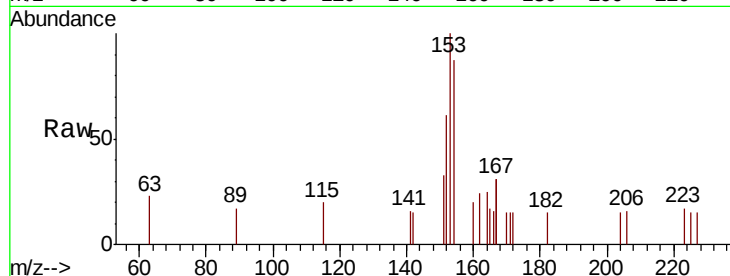
Tot Ion:154 Resp: 414

Ion Ratio Lower Upper

154 100

153 115.5 93.4 140.2

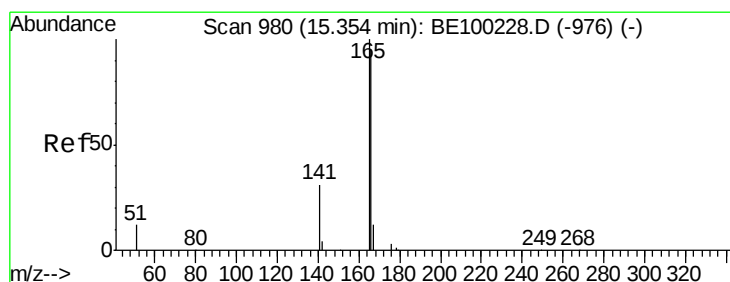
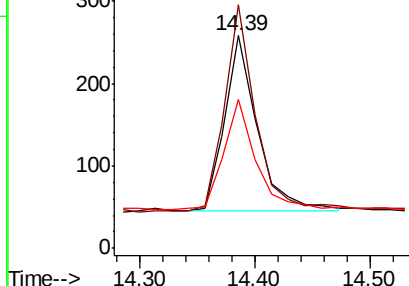
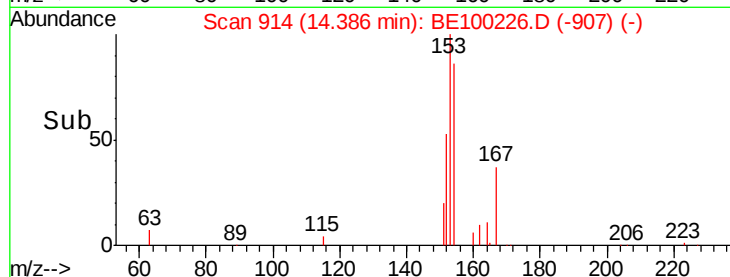
152 62.8 49.4 74.2



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: 0.101 ng

RT: 15.37 min Scan# 981

Delta R.T. 0.01 min

Lab File: BE100226.D

Acq: 28 Jun 2019 9:05

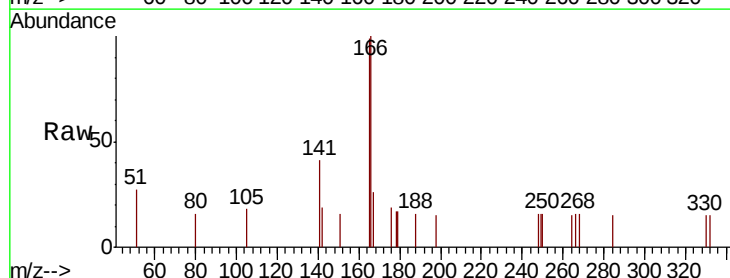
Tgt Ion:166 Resp: 613

Ion Ratio Lower Upper

166 100

165 100.0 81.1 121.7

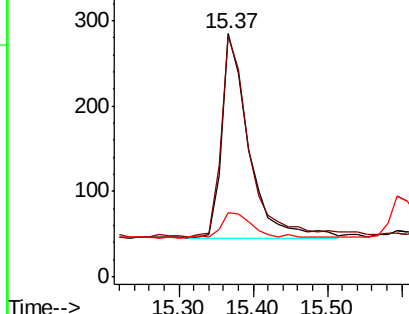
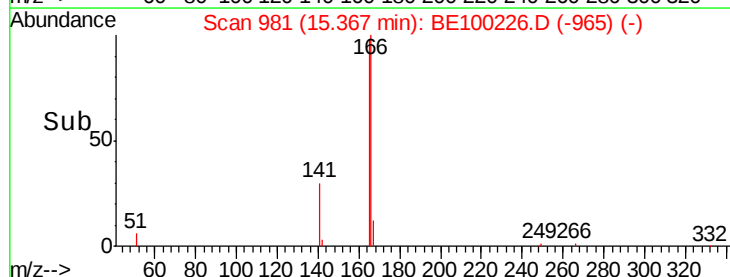
167 15.8 10.7 16.1

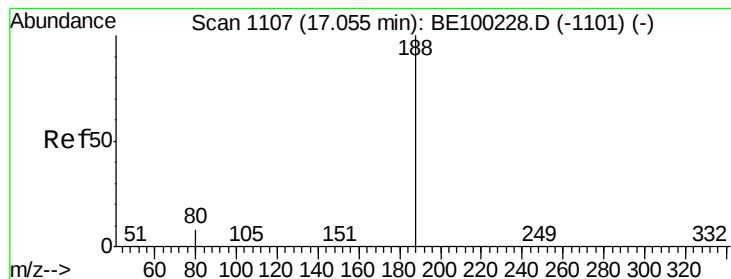


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.07 min Scan# 1108

Delta R.T. 0.01 min

Lab File: BE100226.D

Acq: 28 Jun 2019 9:05

Instrument :

BNA\_E

ClientSampleId :

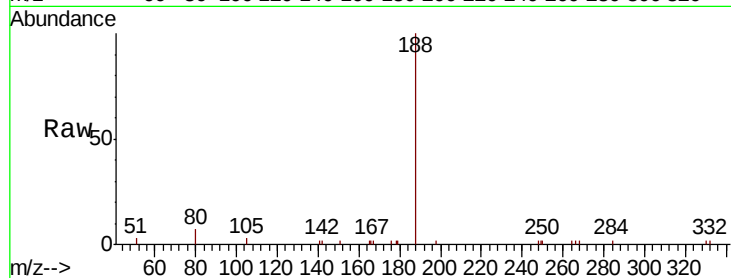
Tot Ion:188 Resp: 4701

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

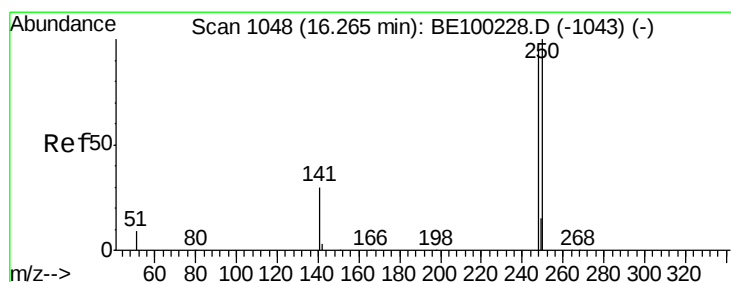
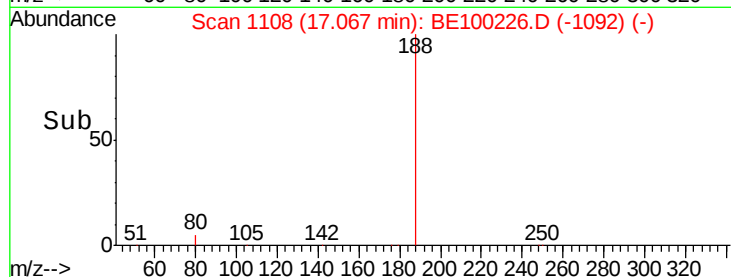
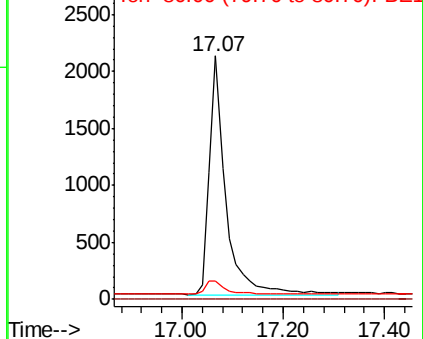
80 7.4 7.6 11.4#



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: 0.099 ng

RT: 16.26 min Scan# 1048

Delta R.T. -0.00 min

Lab File: BE100226.D

Acq: 28 Jun 2019 9:05

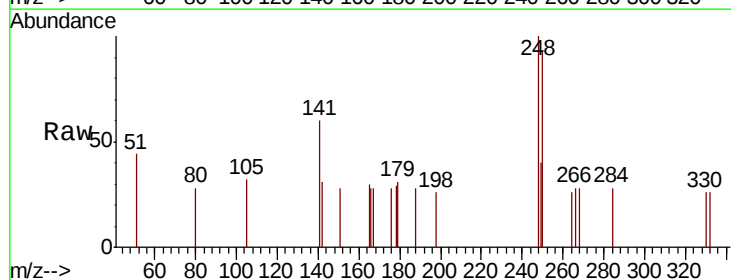
Tgt Ion:248 Resp: 289

Ion Ratio Lower Upper

248 100

250 93.4 84.2 126.4

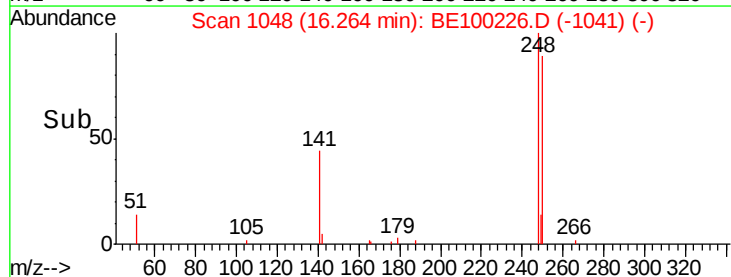
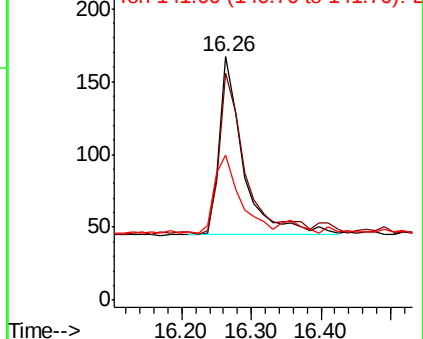
141 59.9 29.3 43.9#



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: 0.098 ng

RT: 16.37 min Scan# 1056

Delta R.T. 0.01 min

Lab File: BE100226.D

Acq: 28 Jun 2019 9:05

Instrument :

BNA\_E

ClientSampled :

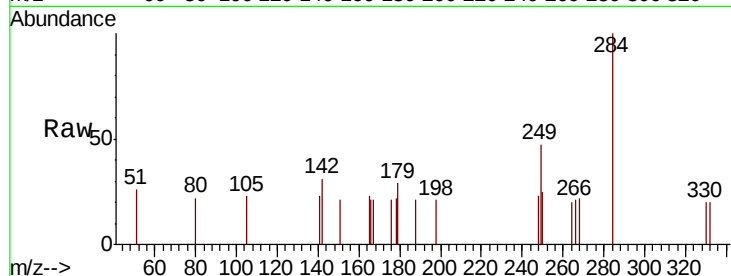
Tot Ion:284 Resp: 314

Ion Ratio Lower Upper

284 100

142 21.7 18.8 28.2

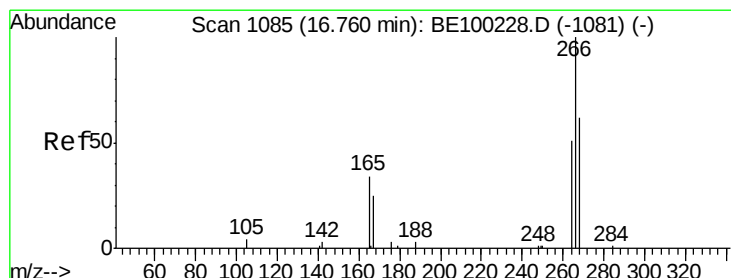
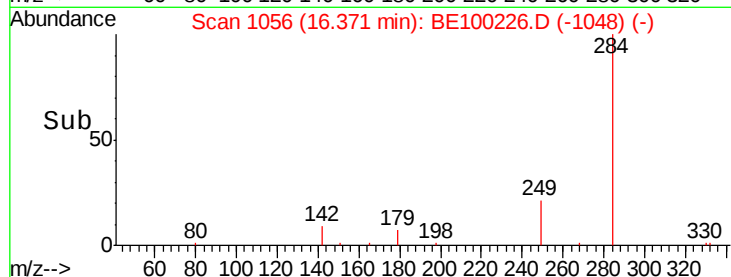
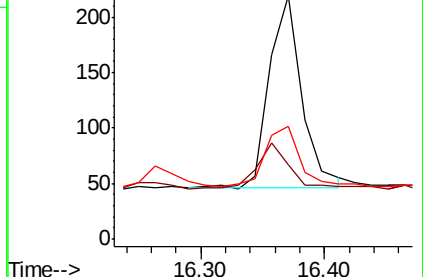
249 34.1 23.7 35.5



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: 0.112 ng

RT: 16.81 min Scan# 1089

Delta R.T. 0.05 min

Lab File: BE100226.D

Acq: 28 Jun 2019 9:05

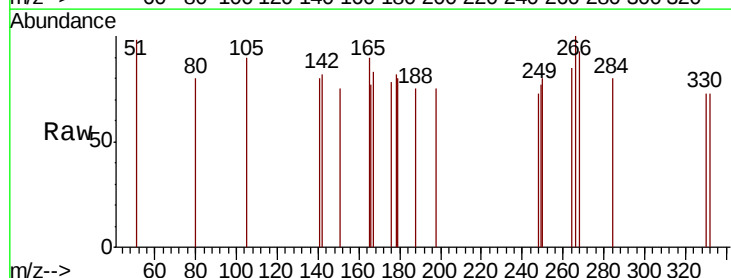
Tgt Ion:266 Resp: 84

Ion Ratio Lower Upper

266 100

264 85.0 56.2 84.2#

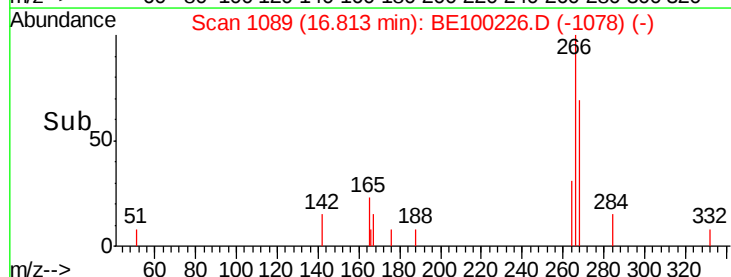
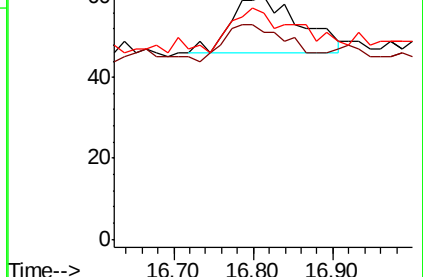
268 93.3 61.8 92.6#

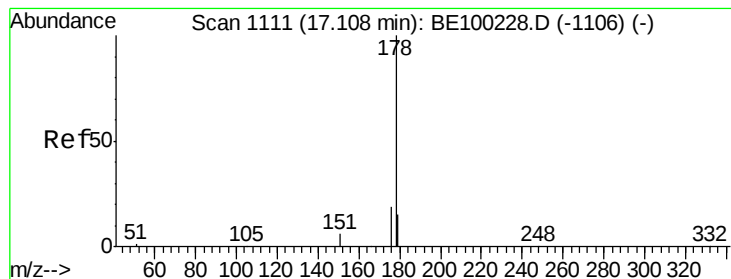


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.099 ng

RT: 17.11 min Scan# 1111

Delta R.T. -0.00 min

Lab File: BE100226.D

Acq: 28 Jun 2019 9:05

Instrument :

BNA\_E

ClientSampleId :

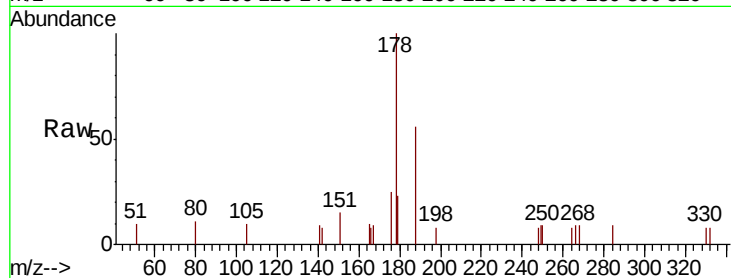
Tot Ion:178 Resp: 1098

Ion Ratio Lower Upper

178 100

176 18.9 15.9 23.9

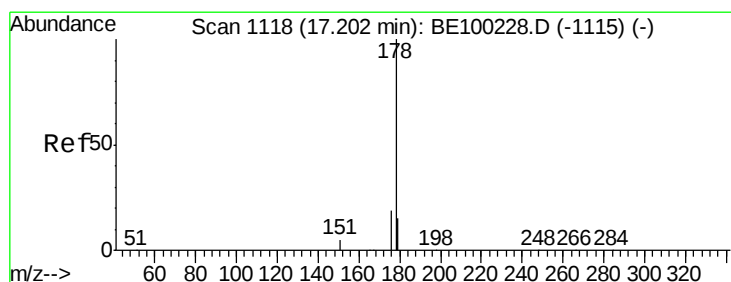
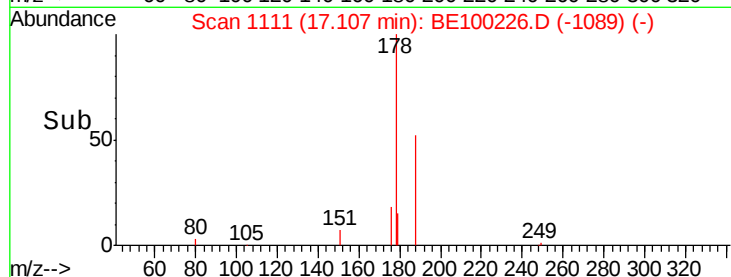
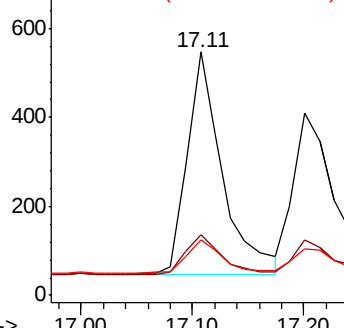
179 16.3 12.2 18.2



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: 0.091 ng

RT: 17.20 min Scan# 1118

Delta R.T. -0.00 min

Lab File: BE100226.D

Acq: 28 Jun 2019 9:05

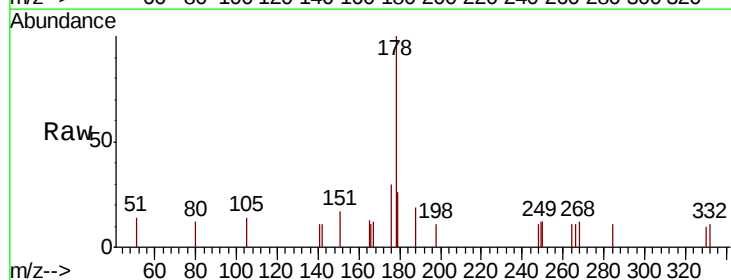
Tgt Ion:178 Resp: 856

Ion Ratio Lower Upper

178 100

176 20.7 15.3 22.9

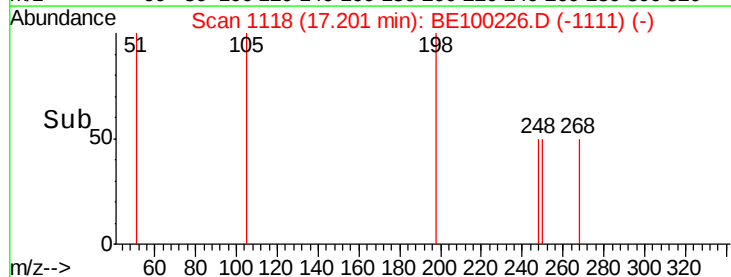
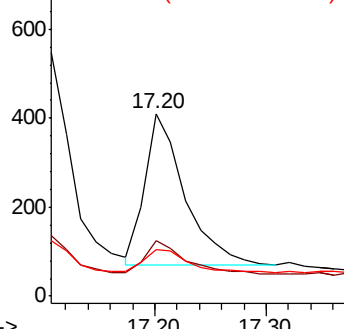
179 16.0 12.2 18.2

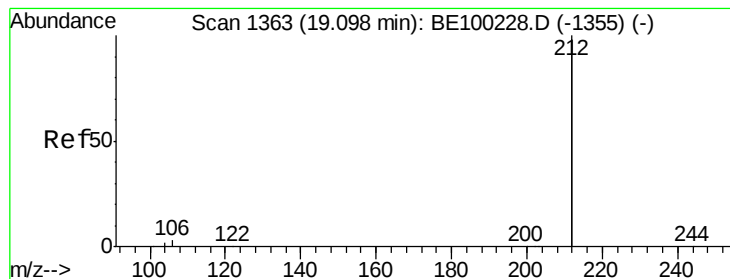


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.098 ng

RT: 19.10 min Scan# 1363

Delta R.T. 0.00 min

Lab File: BE100226.D

Acq: 28 Jun 2019 9:05

Instrument :

BNA\_E

ClientSampleId :

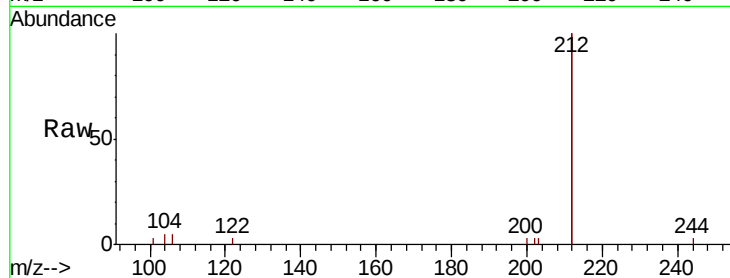
Tot Ion:212 Resp: 6659

Ion Ratio Lower Upper

212 100

106 1.5 1.3 1.9

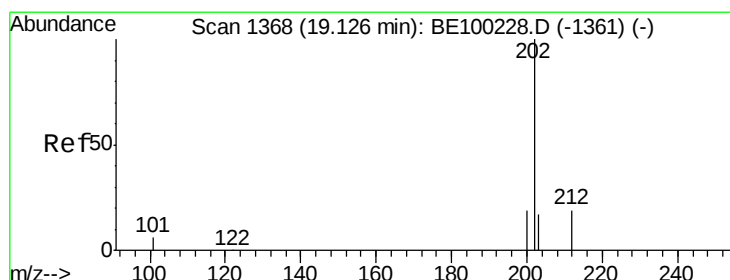
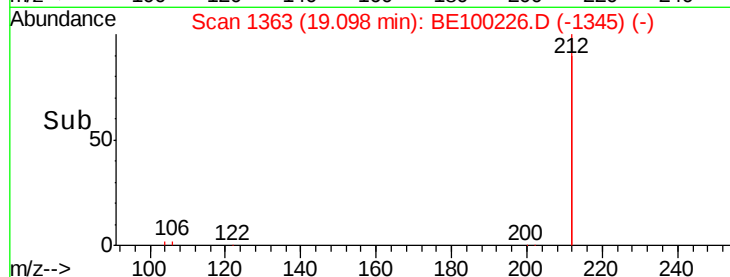
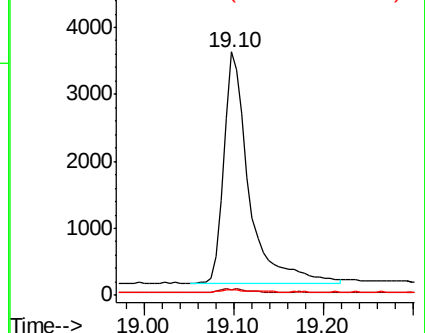
104 1.0 0.8 1.2



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: 0.097 ng

RT: 19.13 min Scan# 1368

Delta R.T. 0.00 min

Lab File: BE100226.D

Acq: 28 Jun 2019 9:05

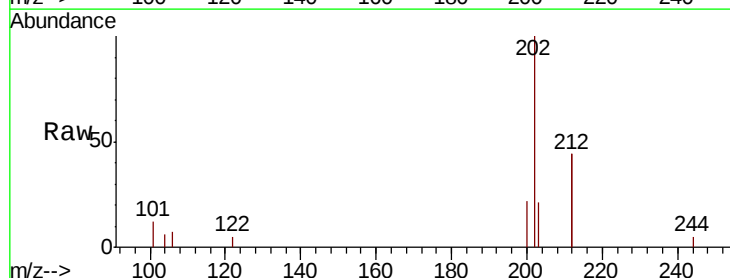
Tgt Ion:202 Resp: 1764

Ion Ratio Lower Upper

202 100

101 5.8 4.6 7.0

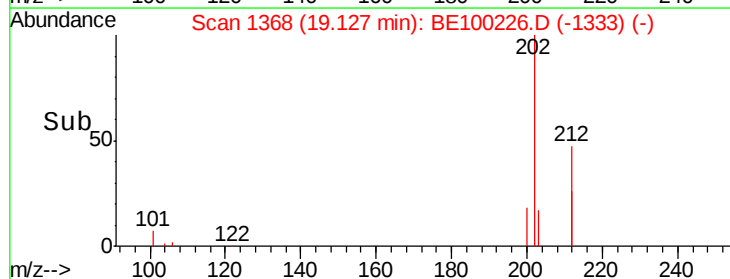
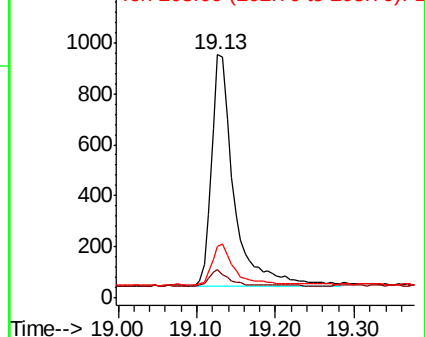
203 17.2 13.7 20.5



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

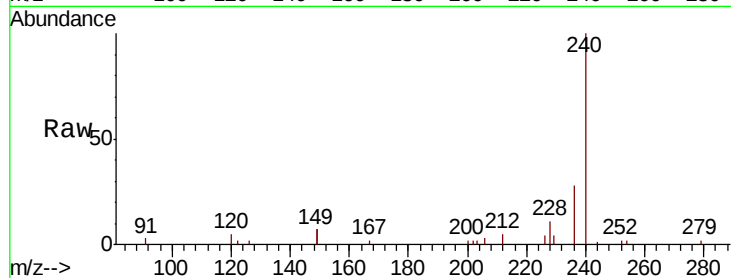




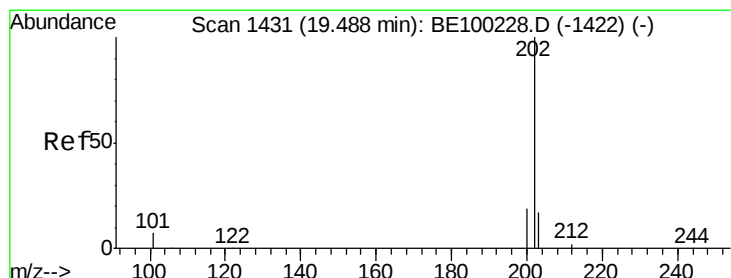
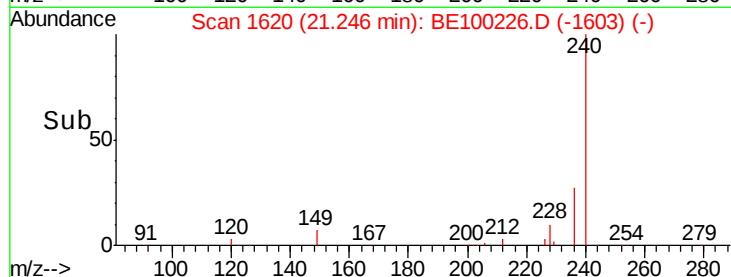
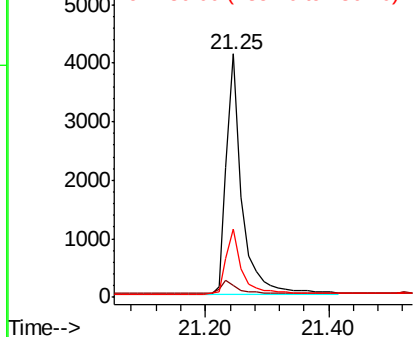
#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.25 min Scan# 1620  
Delta R.T. 0.00 min  
Lab File: BE100226.D  
Acq: 28 Jun 2019 9:05

Instrument :  
BNA\_E  
ClientSampled :

Tot Ion:240 Resp: 7249  
Ion Ratio Lower Upper  
240 100  
120 4.7 3.3 4.9  
236 28.0 22.6 34.0

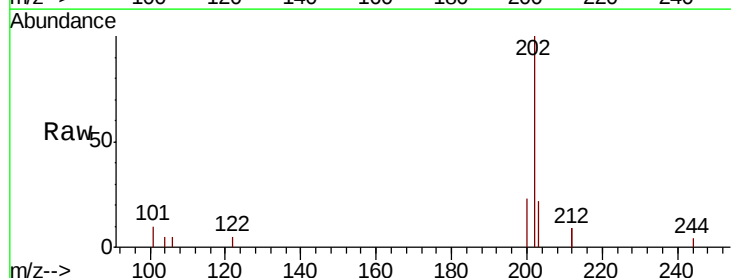


Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

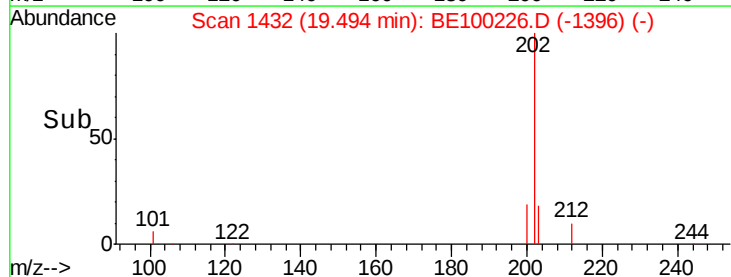
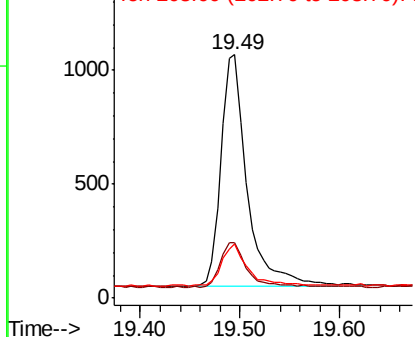


#28  
Pyrene  
Concen: 0.101 ng  
RT: 19.49 min Scan# 1432  
Delta R.T. 0.01 min  
Lab File: BE100226.D  
Acq: 28 Jun 2019 9:05

Tgt Ion:202 Resp: 1871  
Ion Ratio Lower Upper  
202 100  
200 19.2 15.6 23.4  
203 18.0 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: 0.103 ng

RT: 19.70 min Scan# 1468

Delta R.T. 0.00 min

Lab File: BE100226.D

Acq: 28 Jun 2019 9:05

Instrument :

BNA\_E

ClientSampled :

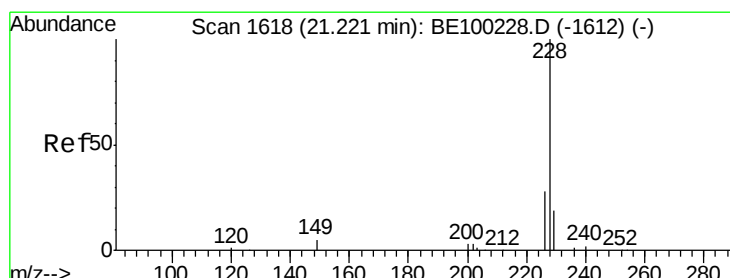
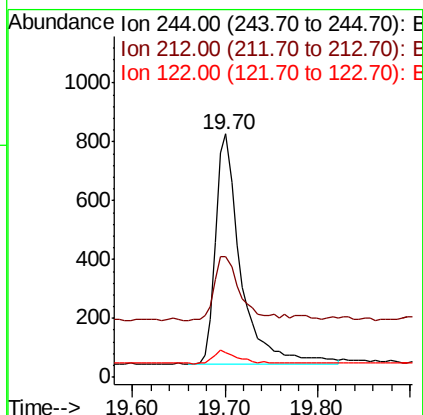
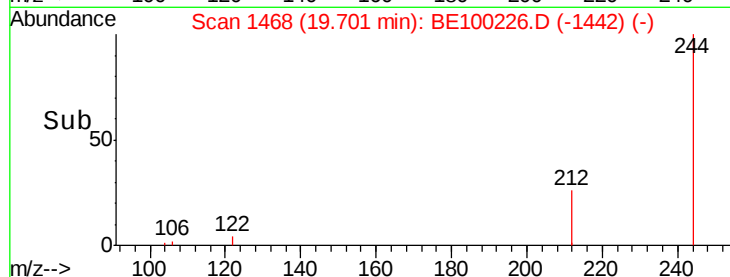
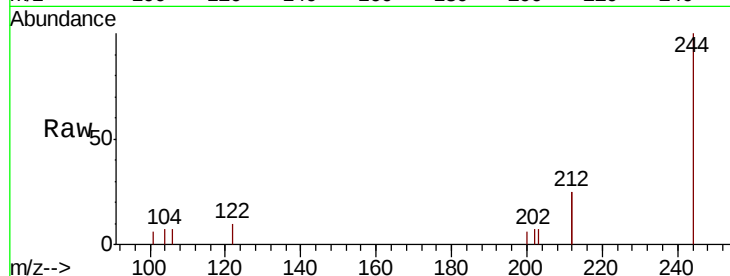
Tot Ion:244 Resp: 1472

Ion Ratio Lower Upper

244 100

212 49.6 27.3 40.9#

122 9.9 4.7 7.1#



#30

Benzo(a)anthracene

Concen: 0.105 ng

RT: 21.23 min Scan# 1619

Delta R.T. 0.01 min

Lab File: BE100226.D

Acq: 28 Jun 2019 9:05

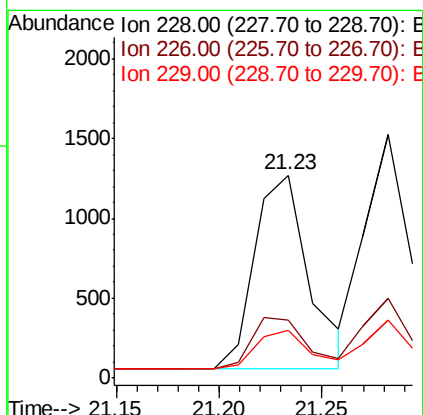
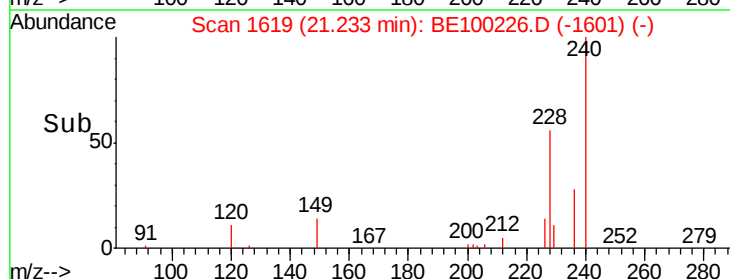
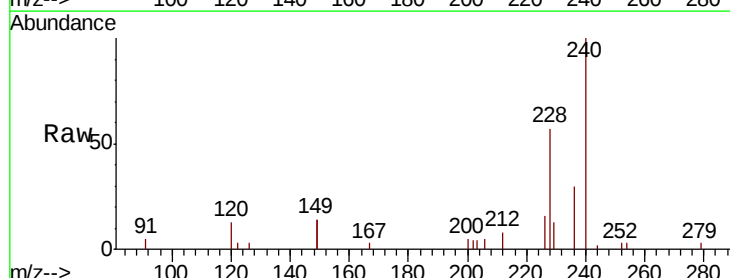
Tgt Ion:228 Resp: 2249

Ion Ratio Lower Upper

228 100

226 28.4 23.2 34.8

229 23.2 15.7 23.5





#31

Chrysene

Concen: 0.094 ng

RT: 21.28 min Scan# 1623

Delta R.T. 0.00 min

Lab File: BE100226.D

Acq: 28 Jun 2019 9:05

Instrument :

BNA\_E

ClientSampleId :

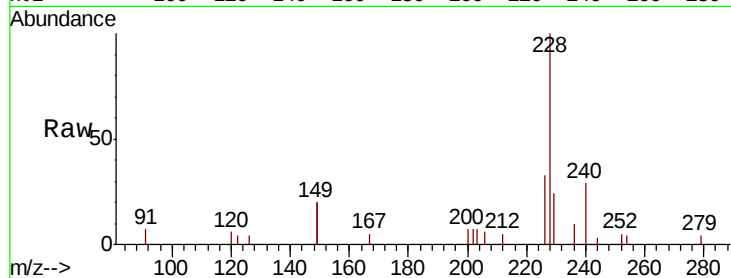
Tot Ion:228 Resp: 2361

Ion Ratio Lower Upper

228 100

226 32.6 23.9 35.9

229 24.0 16.5 24.7

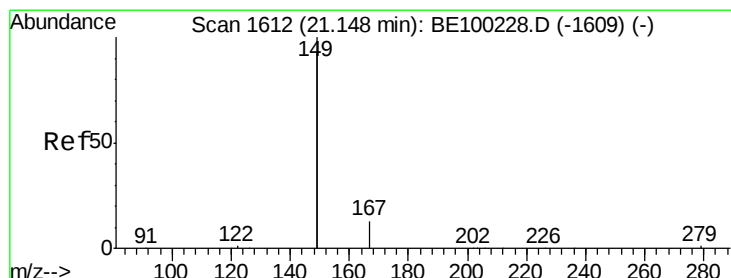
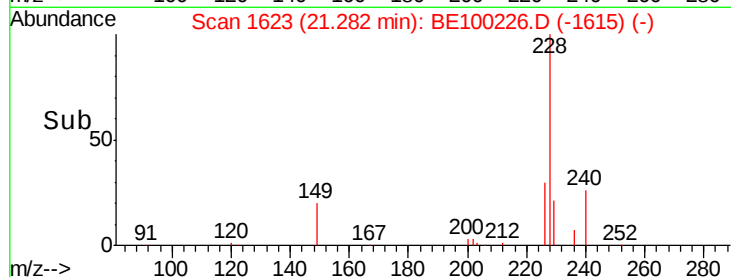
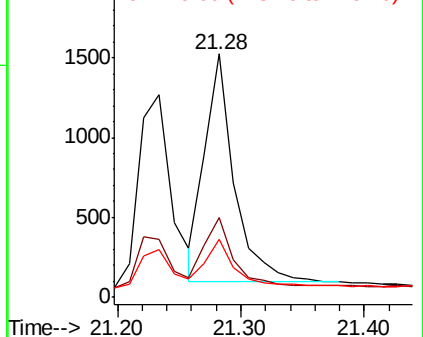


Abundance

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: 0.244 ng

RT: 21.15 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BE100226.D

Acq: 28 Jun 2019 9:05

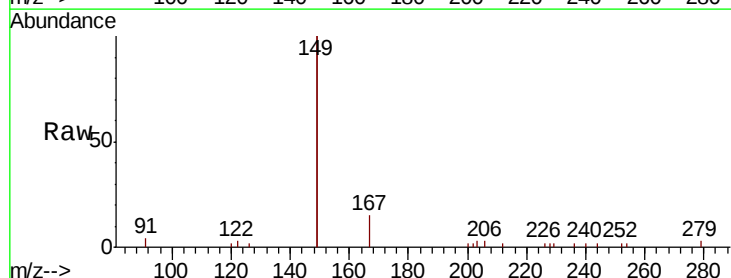
Tgt Ion:149 Resp: 6005

Ion Ratio Lower Upper

149 100

167 8.7 5.8 8.8

279 1.5 1.1 1.7

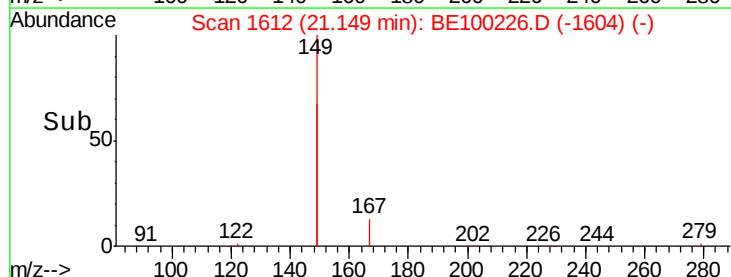
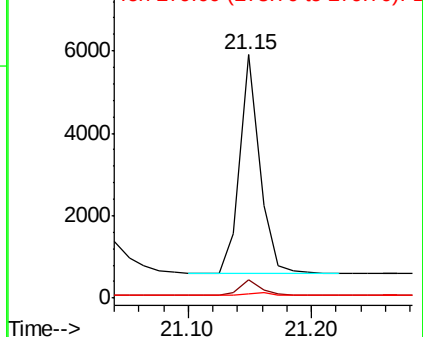


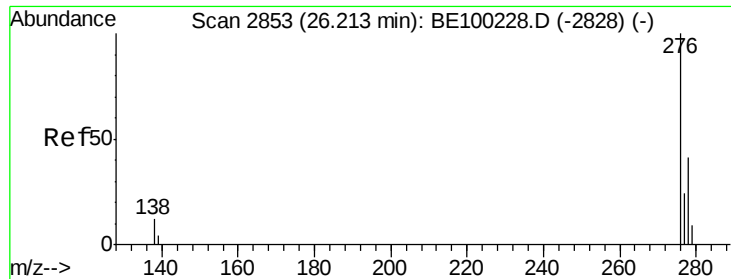
Abundance

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: 0.086 ng

RT: 26.22 min Scan# 2855

Delta R.T. 0.01 min

Lab File: BE100226.D

Acq: 28 Jun 2019 9:05

Instrument :

BNA\_E

ClientSampleId :

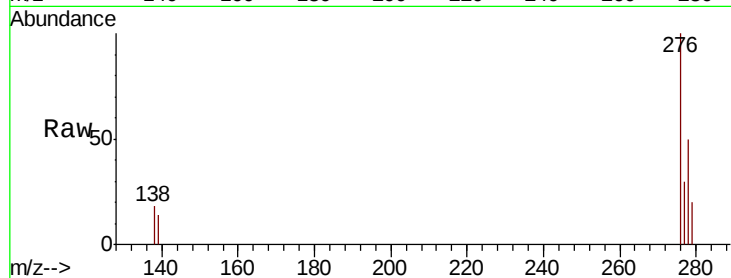
Tot Ion:276 Resp: 3067

Ion Ratio Lower Upper

276 100

138 0.0 9.4 14.0#

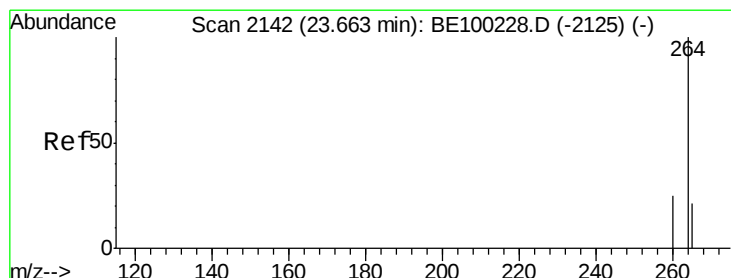
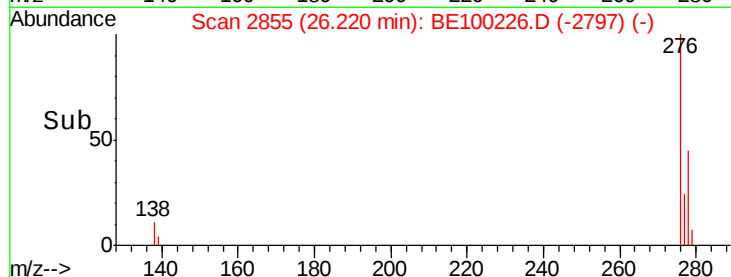
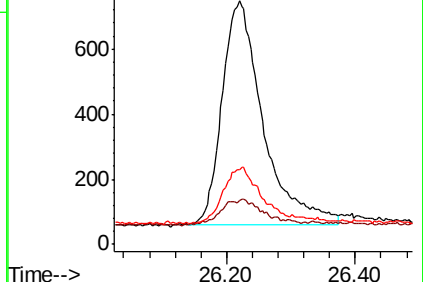
277 22.6 19.2 28.8



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: 23.66 min Scan# 2142

Delta R.T. -0.00 min

Lab File: BE100226.D

Acq: 28 Jun 2019 9:05

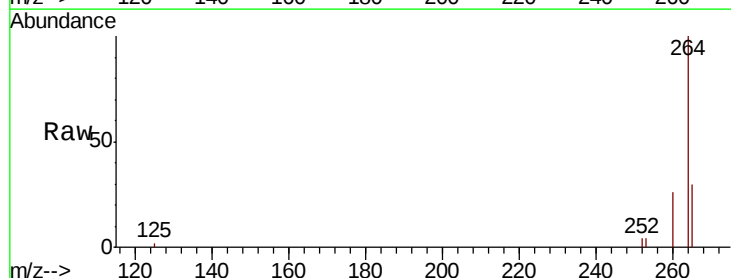
Tgt Ion:264 Resp: 9094

Ion Ratio Lower Upper

264 100

260 26.2 20.8 31.2

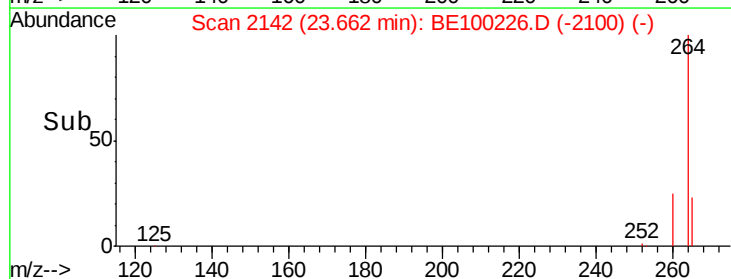
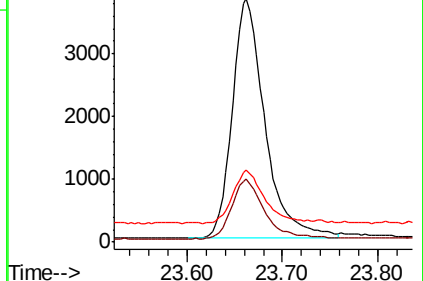
265 29.8 21.8 32.6



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

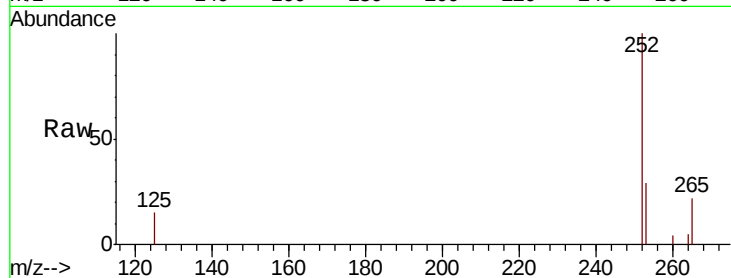




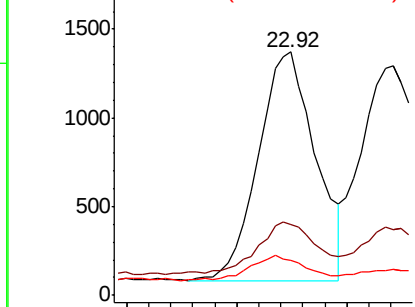
#35  
Benzo(b)fluoranthene  
Concen: 0.095 ng  
RT: 22.92 min Scan# 1935  
Delta R.T. 0.00 min  
Lab File: BE100226.D  
Acq: 28 Jun 2019 9:05

Instrument :  
BNA\_E  
ClientSampleId :

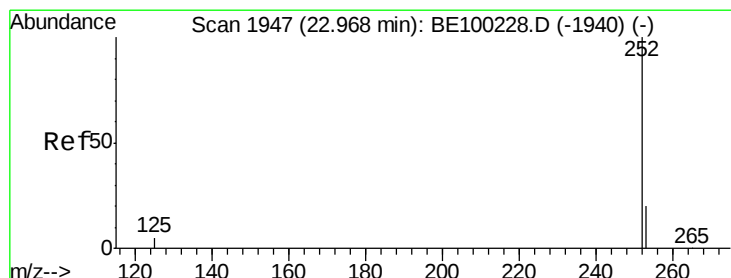
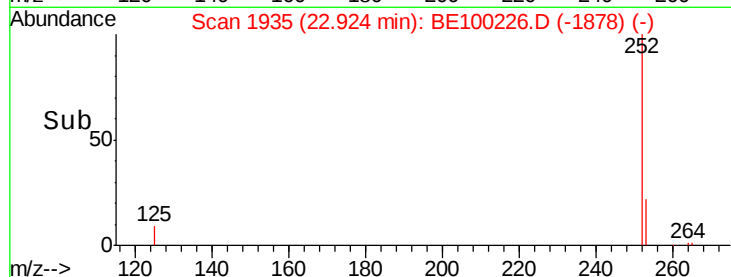
Tot Ion:252 Resp: 2330  
Ion Ratio Lower Upper  
252 100  
253 29.3 19.2 28.8#  
125 14.5 7.4 11.0#



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

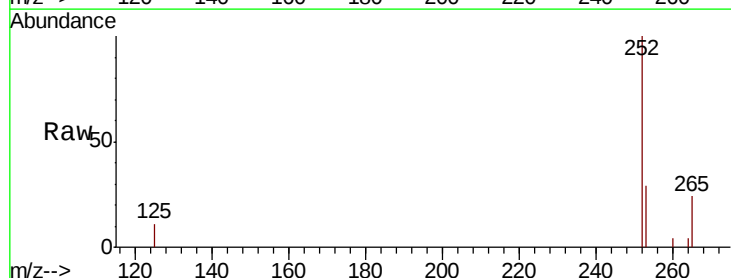


Time--> 22.85 22.90 22.95

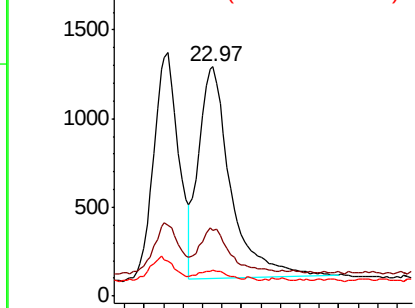


#36  
Benzo(k)fluoranthene  
Concen: 0.093 ng  
RT: 22.97 min Scan# 1948  
Delta R.T. 0.00 min  
Lab File: BE100226.D  
Acq: 28 Jun 2019 9:05

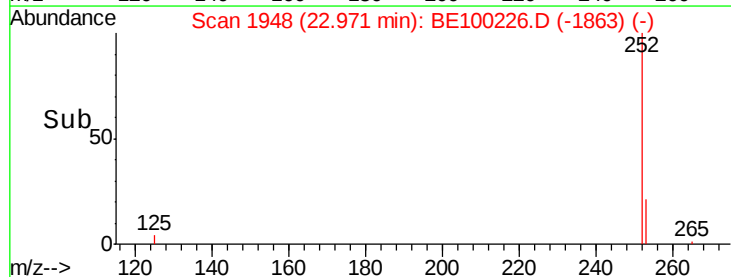
Tgt Ion:252 Resp: 2730  
Ion Ratio Lower Upper  
252 100  
253 28.9 17.9 26.9#  
125 11.1 5.0 7.4#



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



Time--> 22.90 23.00 23.10





#37

Benzo(a)pyrene

Concen: 0.094 ng

RT: 23.56 min Scan# 2112

Delta R.T. 0.00 min

Lab File: BE100226.D

Acq: 28 Jun 2019 9:05

Instrument :

BNA\_E

ClientSampled :

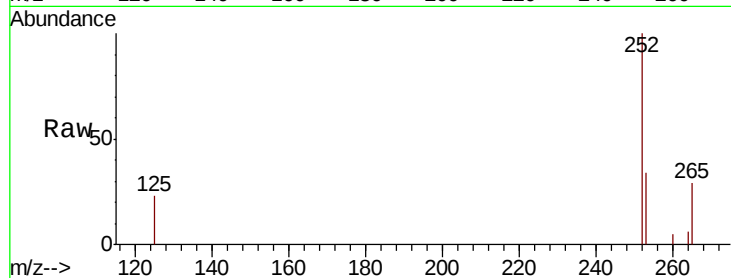
Tot Ion:252 Resp: 2390

Ion Ratio Lower Upper

252 100

253 34.2 19.6 29.4#

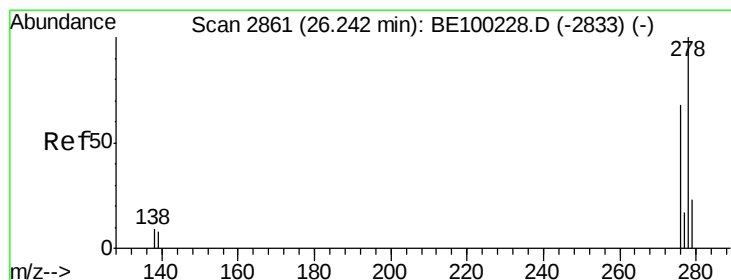
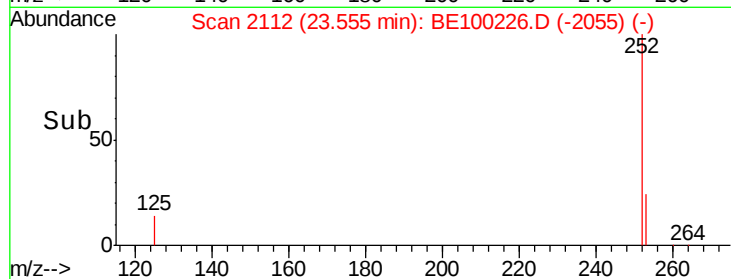
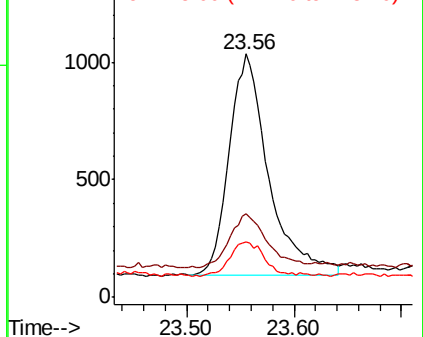
125 22.6 9.0 13.6#



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: 0.091 ng

RT: 26.24 min Scan# 2861

Delta R.T. -0.00 min

Lab File: BE100226.D

Acq: 28 Jun 2019 9:05

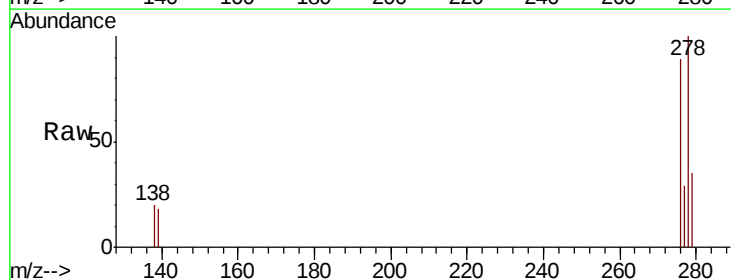
Tgt Ion:278 Resp: 2466

Ion Ratio Lower Upper

278 100

139 17.6 8.2 12.2#

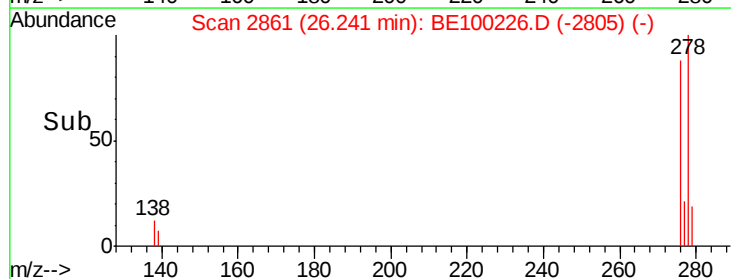
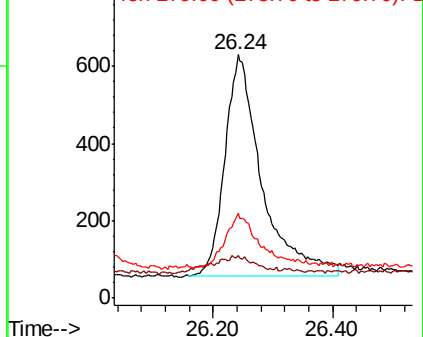
279 34.8 20.3 30.5#



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: 0.092 ng

RT: 27.00 min Scan# 3075

Delta R.T. -0.00 min

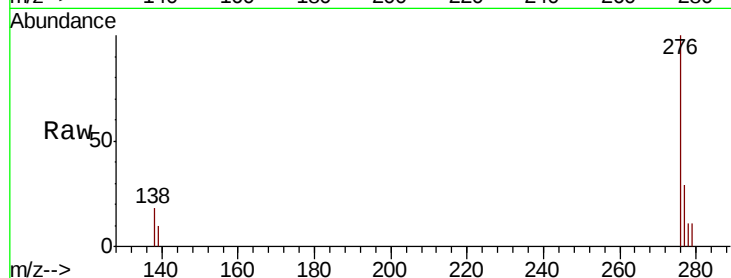
Lab File: BE100226.D

Acq: 28 Jun 2019 9:05

Instrument :

BNA\_E

ClientSampleId :



Tot Ion: 276 Resp: 2595

Ion Ratio Lower Upper

276 100

277 29.3 20.2 30.2

138 17.9 9.0 13.6

