

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092619\  
 Data File : BE100565.D  
 Acq On : 26 Sep 2019 12:43  
 Operator : JU  
 Sample : SSTDC00.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Sep 26 15:20:35 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE092019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 20 18:26:17 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.86  | 152  | 6033     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.65 | 136  | 27055    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.49 | 164  | 14499    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.20 | 188  | 29727    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.37 | 240  | 31777    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.84 | 264  | 36866    | 0.40 | ng    | 0.00     |

|                             |       |     |        |      |    |      |
|-----------------------------|-------|-----|--------|------|----|------|
| System Monitoring Compounds |       |     |        |      |    |      |
| 4) 2-Fluorophenol           | 5.45  | 112 | 7814   | 0.55 | ng | 0.02 |
| 5) Phenol-d6                | 7.03  | 99  | 9840   | 0.51 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 9.00  | 82  | 8165   | 0.52 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.24 | 152 | 15674  | 0.39 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.96 | 330 | 1534   | 0.65 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 13.12 | 172 | 20909  | 0.40 | ng | 0.00 |
| 25) Fluoranthene-d10        | 19.23 | 212 | 136297 | 0.39 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.82 | 244 | 31634  | 0.42 | ng | 0.00 |

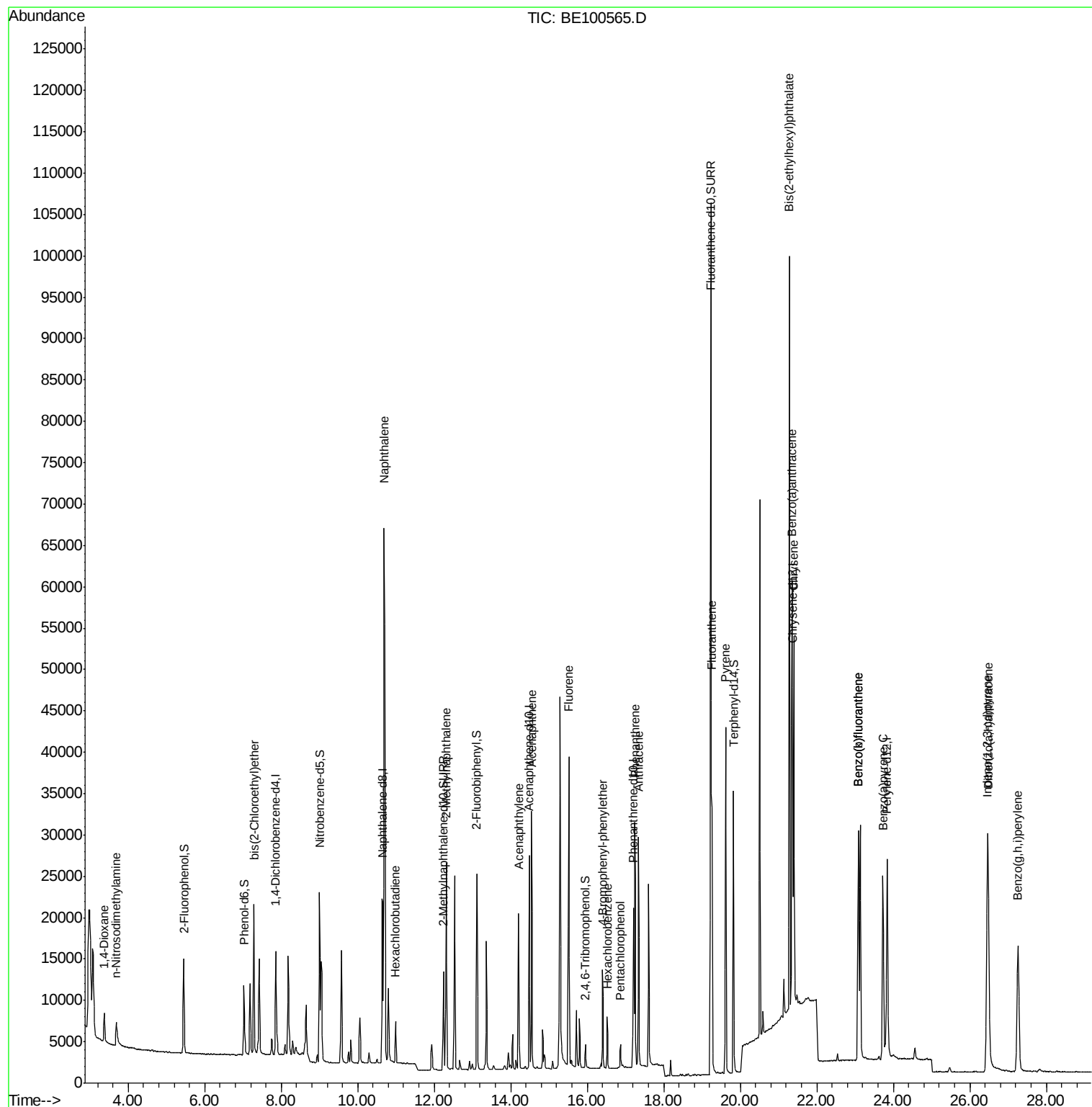
|                                |       |     |        |        |    |      |
|--------------------------------|-------|-----|--------|--------|----|------|
| Target Compounds               |       |     |        | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.37  | 88  | 3072   | 0.353  | ng | 87   |
| 3) n-Nitrosodimethylamine      | 3.69  | 42  | 2364   | 0.463  | ng | 97   |
| 6) bis(2-Chloroethyl)ether     | 7.29  | 93  | 7817   | 0.400  | ng | 84   |
| 9) Naphthalene                 | 10.69 | 128 | 111450 | 0.397  | ng | 100  |
| 10) Hexachlorobutadiene        | 10.99 | 225 | 3499   | 0.390  | ng | 99   |
| 12) 2-Methylnaphthalene        | 12.31 | 142 | 17796  | 0.399  | ng | 100  |
| 16) Acenaphthylene             | 14.21 | 152 | 26392  | 0.442  | ng | 100  |
| 17) Acenaphthene               | 14.54 | 154 | 16556  | 0.411  | ng | 97   |
| 18) Fluorene                   | 15.51 | 166 | 21011  | 0.417  | ng | 99   |
| 20) 4-Bromophenyl-phenylether  | 16.40 | 248 | 5779   | 0.414  | ng | 91   |
| 21) Hexachlorobenzene          | 16.53 | 284 | 4671   | 0.384  | ng | 98   |
| 22) Pentachlorophenol          | 16.87 | 266 | 1885   | 0.795  | ng | 92   |
| 23) Phenanthrene               | 17.24 | 178 | 33879  | 0.409  | ng | 100  |
| 24) Anthracene                 | 17.34 | 178 | 30542  | 0.438  | ng | 99   |
| 26) Fluoranthene               | 19.26 | 202 | 39077  | 0.391  | ng | 100  |
| 28) Pyrene                     | 19.62 | 202 | 40673  | 0.445  | ng | 100  |
| 30) Benzo(a)anthracene         | 21.35 | 228 | 38863  | 0.458  | ng | 97   |
| 31) Chrysene                   | 21.40 | 228 | 38130  | 0.394  | ng | 99   |
| 32) Bis(2-ethylhexyl)phthalate | 21.28 | 149 | 108416 | 1.185  | ng | 99   |
| 33) Indeno(1,2,3-cd)pyrene     | 26.46 | 276 | 47088  | 0.438  | ng | 99   |
| 35) Benzo(b)fluoranthene       | 23.08 | 252 | 40232  | 0.403  | ng | # 97 |
| 36) Benzo(k)fluoranthene       | 23.08 | 252 | 40232  | 0.349  | ng | 97   |
| 37) Benzo(a)pyrene             | 23.73 | 252 | 38004  | 0.408  | ng | # 96 |
| 38) Dibenzo(a,h)anthracene     | 26.48 | 278 | 38683  | 0.399  | ng | 97   |
| 39) Benzo(g,h,i)perylene       | 27.25 | 276 | 38618  | 0.381  | ng | 97   |

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

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Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :

Quant Time: Sep 26 15:20:35 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE092019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Sep 20 18:26:17 2019  
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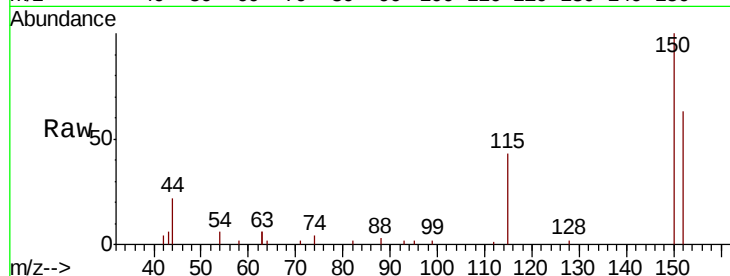


#1

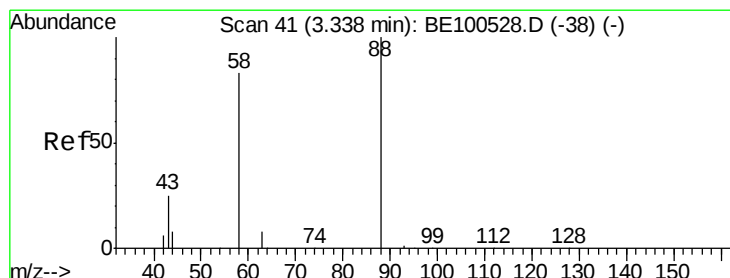
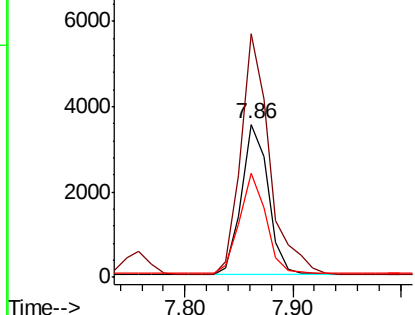
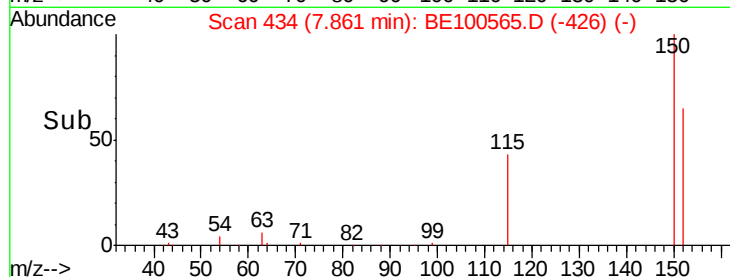
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.86 min Scan# 434  
Delta R.T. -0.00 min  
Lab File: BE100565.D  
Acq: 26 Sep 2019 12:43

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:152 Resp: 6033  
Ion Ratio Lower Upper  
152 100  
150 159.3 121.6 182.4  
115 67.9 48.2 72.4



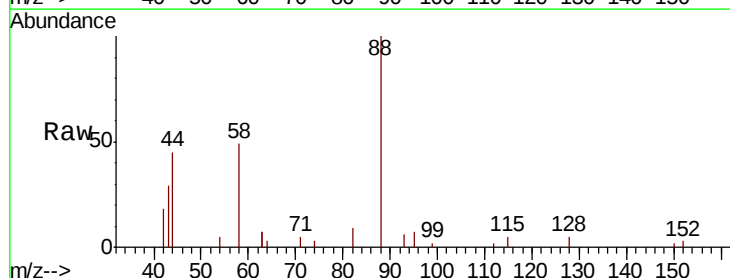
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



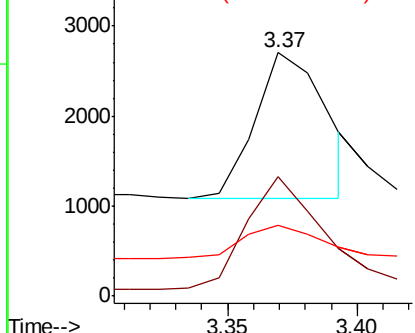
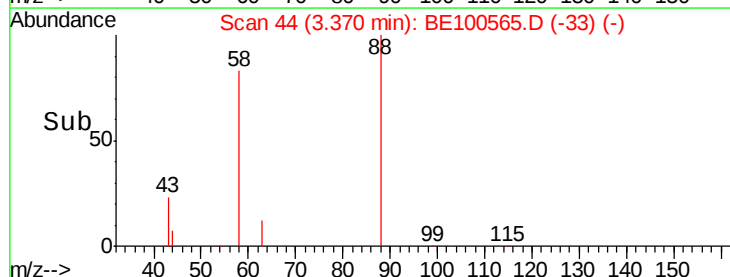
#2

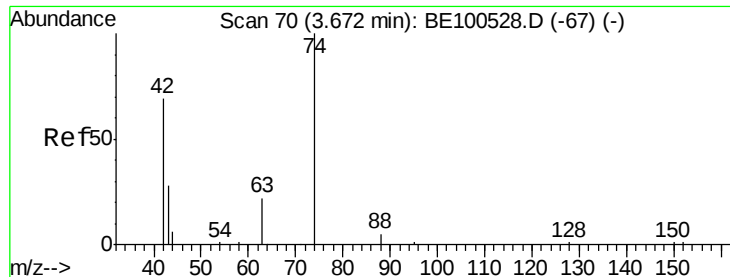
1,4-Dioxane  
Concen: 0.353 ng  
RT: 3.37 min Scan# 44  
Delta R.T. 0.03 min  
Lab File: BE100565.D  
Acq: 26 Sep 2019 12:43

Tgt Ion: 88 Resp: 3072  
Ion Ratio Lower Upper  
88 100  
58 78.5 53.3 79.9  
43 25.0 16.9 25.3



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: 0.463 ng

RT: 3.69 min Scan# 72

Delta R.T. 0.02 min

Lab File: BE100565.D

Acq: 26 Sep 2019 12:43

Instrument :

BNA\_E

ClientSampleId :

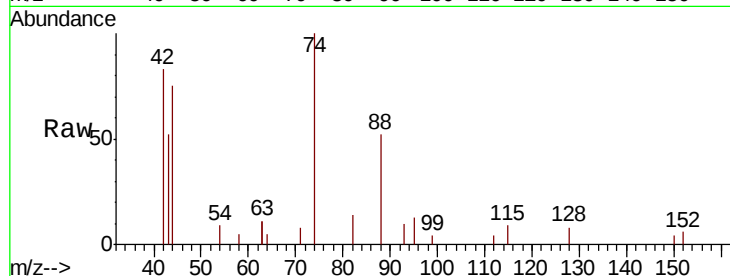
Tot Ion: 42 Resp: 2364

Ion Ratio Lower Upper

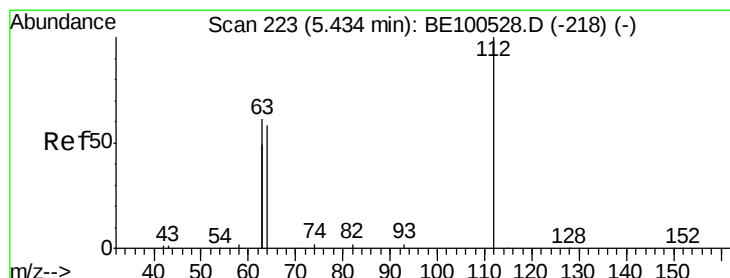
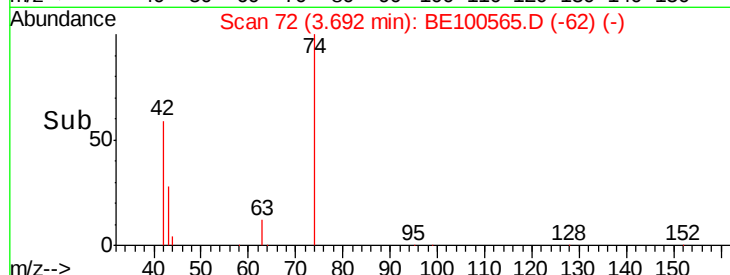
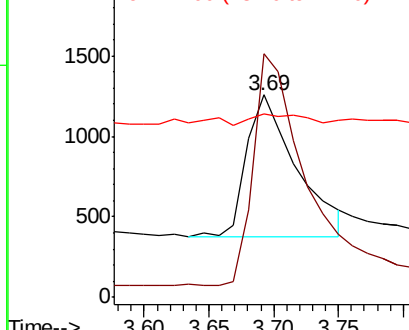
42 100

74 162.7 133.8 200.6

44 8.0 6.4 9.6



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: 0.553 ng

RT: 5.45 min Scan# 225

Delta R.T. 0.02 min

Lab File: BE100565.D

Acq: 26 Sep 2019 12:43

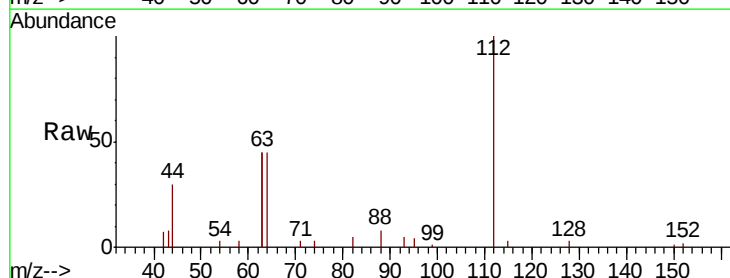
Tgt Ion: 112 Resp: 7814

Ion Ratio Lower Upper

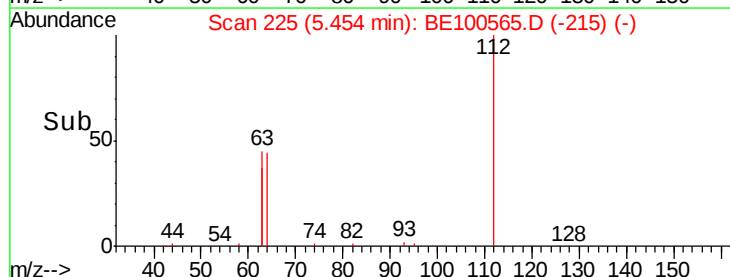
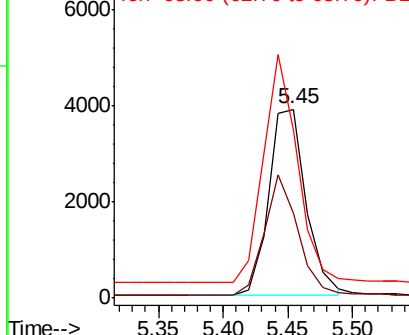
112 100

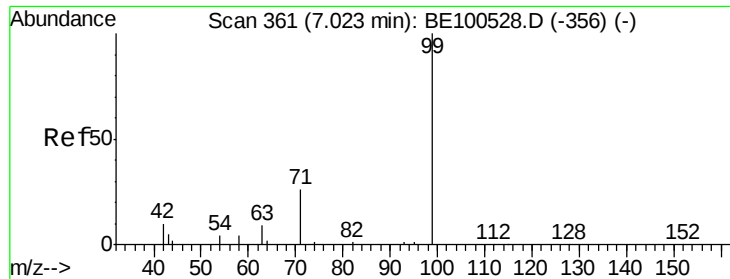
64 57.8 44.1 66.1

63 111.5 86.5 129.7



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: 0.509 ng

RT: 7.03 min Scan# 362

Delta R.T. 0.01 min

Lab File: BE100565.D

Acq: 26 Sep 2019 12:43

Instrument :

BNA\_E

ClientSampleId :

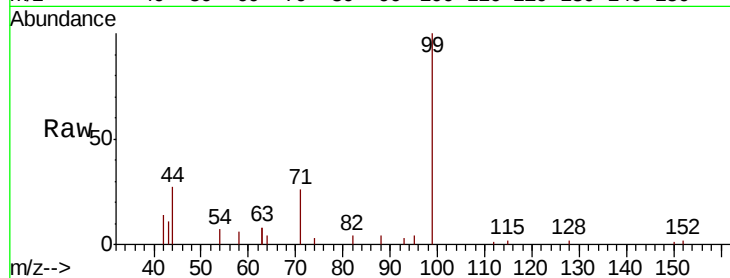
Tot Ion: 99 Resp: 9840

Ion Ratio Lower Upper

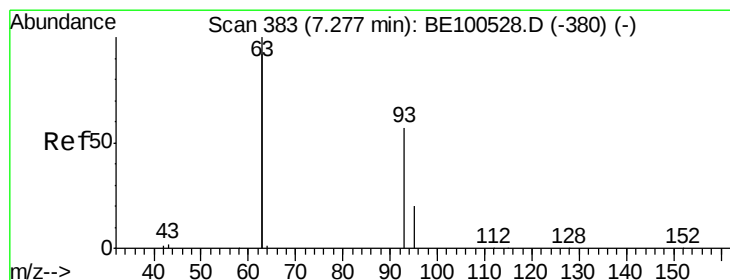
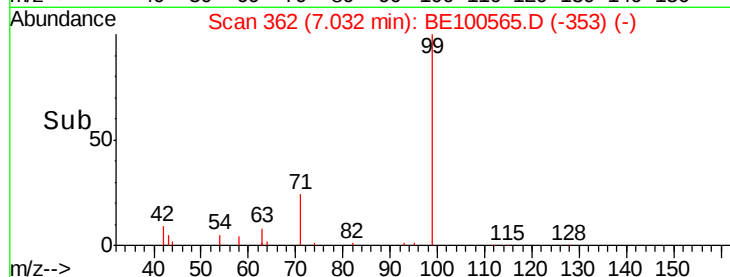
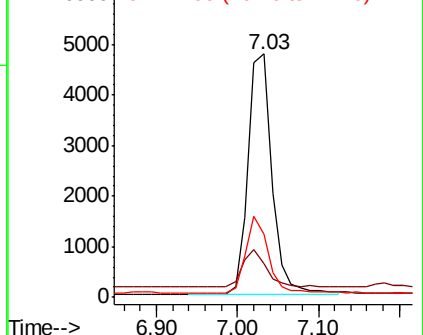
99 100

42 15.6 13.0 19.6

71 30.0 23.4 35.0



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: 0.400 ng

RT: 7.29 min Scan# 384

Delta R.T. 0.01 min

Lab File: BE100565.D

Acq: 26 Sep 2019 12:43

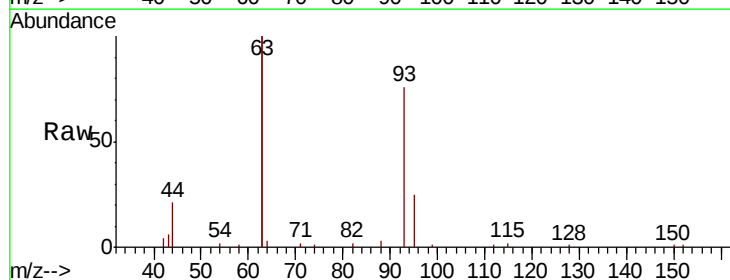
Tgt Ion: 93 Resp: 7817

Ion Ratio Lower Upper

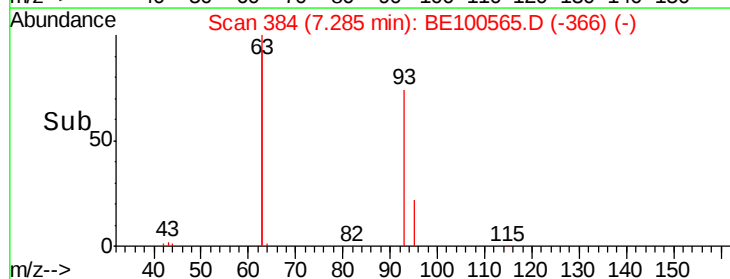
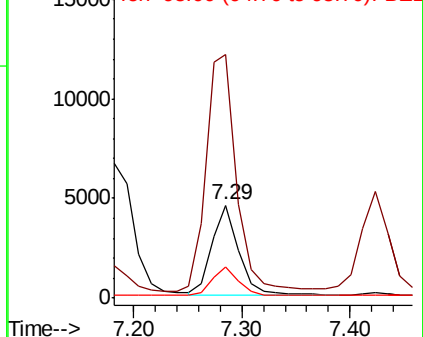
93 100

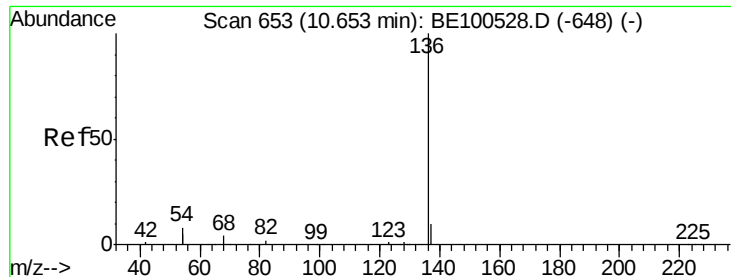
63 298.4 213.4 320.0

95 32.1 23.7 35.5



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: 10.65 min Scan# 653

Delta R.T. 0.00 min

Lab File: BE100565.D

Acq: 26 Sep 2019 12:43

Instrument :

BNA\_E

ClientSampleId :

Tot Ion:136 Resp: 27055

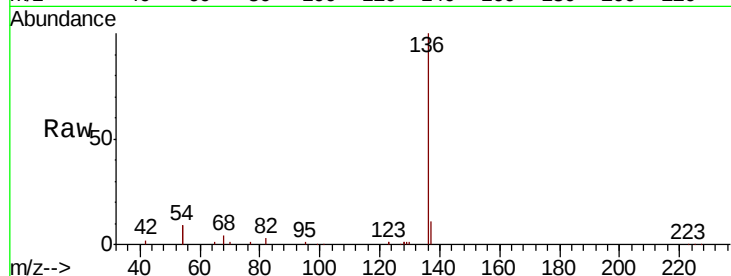
Ion Ratio Lower Upper

136 100

137 11.3 8.6 13.0

54 17.2 12.4 18.6

68 4.2 3.3 4.9

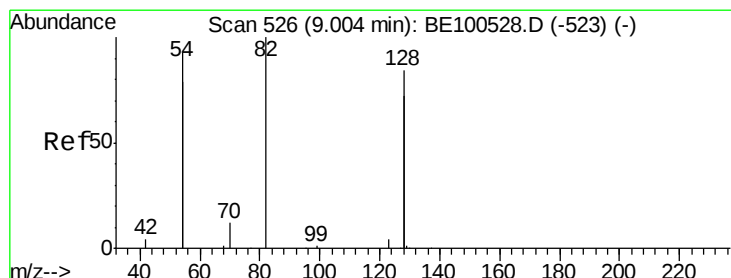
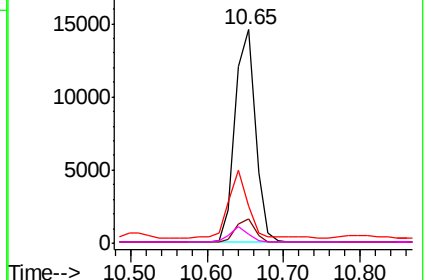
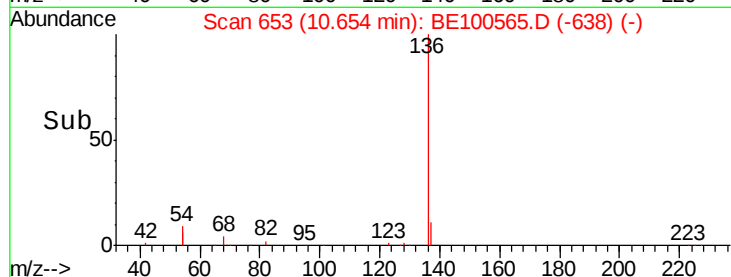


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.524 ng

RT: 9.00 min Scan# 526

Delta R.T. 0.00 min

Lab File: BE100565.D

Acq: 26 Sep 2019 12:43

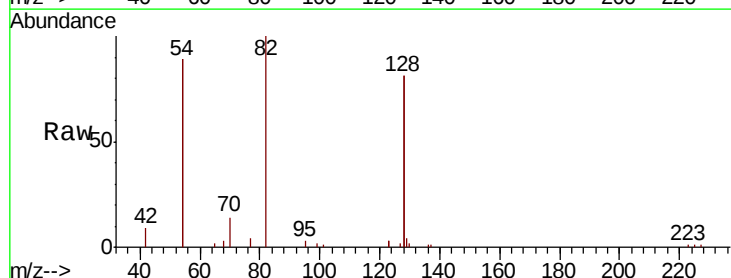
Tgt Ion: 82 Resp: 8165

Ion Ratio Lower Upper

82 100

128 162.2 129.4 194.2

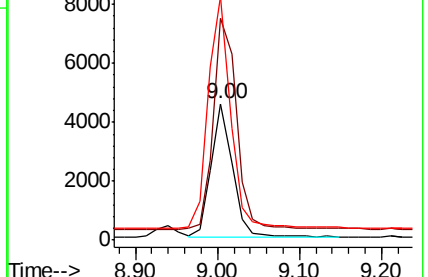
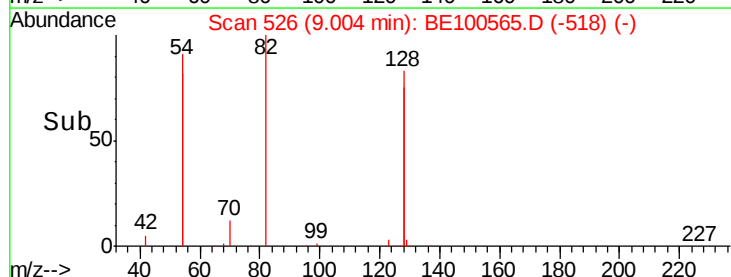
54 178.3 143.3 214.9

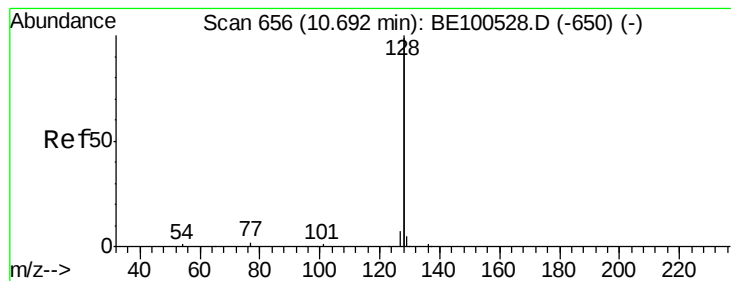


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.397 ng

RT: 10.69 min Scan# 656

Delta R.T. 0.00 min

Lab File: BE100565.D

Acq: 26 Sep 2019 12:43

Instrument :

BNA\_E

ClientSampleId :

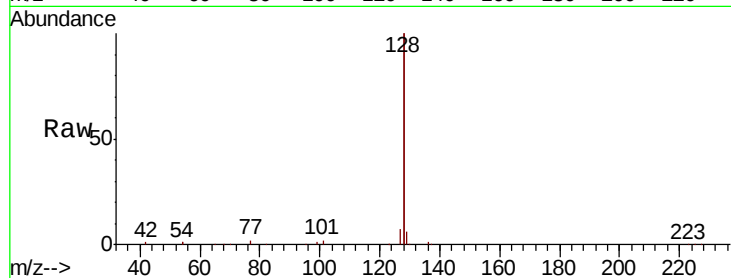
Tot Ion:128 Resp: 111450

Ion Ratio Lower Upper

128 100

129 2.8 2.2 3.4

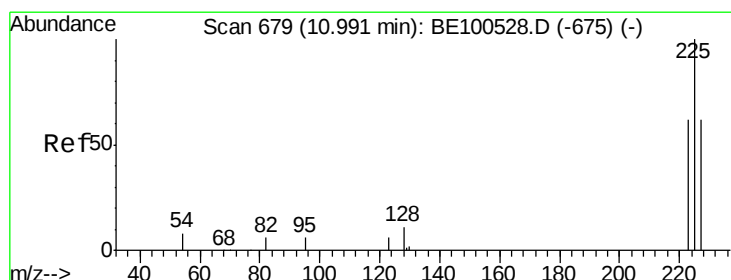
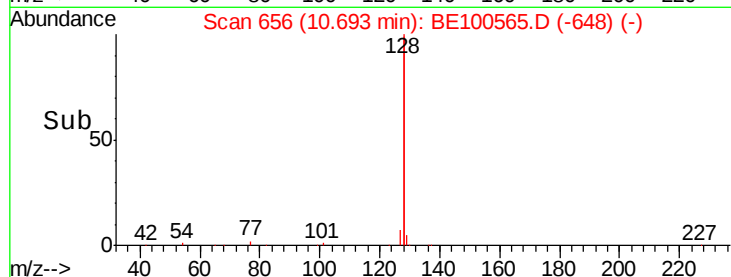
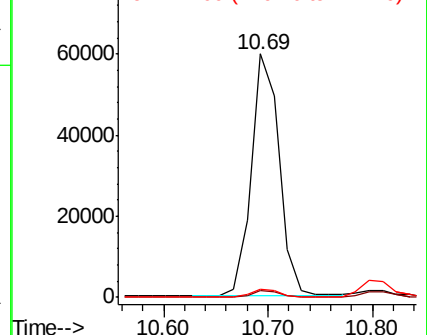
127 3.4 2.7 4.1



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: 0.390 ng

RT: 10.99 min Scan# 679

Delta R.T. 0.00 min

Lab File: BE100565.D

Acq: 26 Sep 2019 12:43

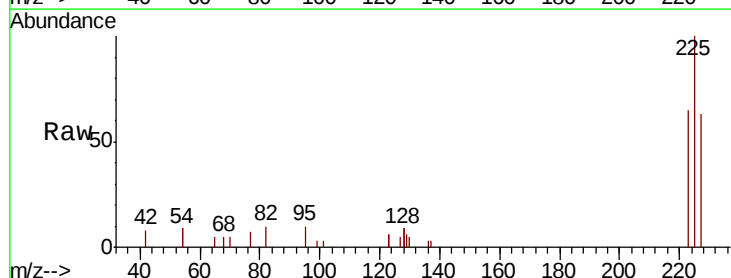
Tgt Ion:225 Resp: 3499

Ion Ratio Lower Upper

225 100

223 62.4 49.7 74.5

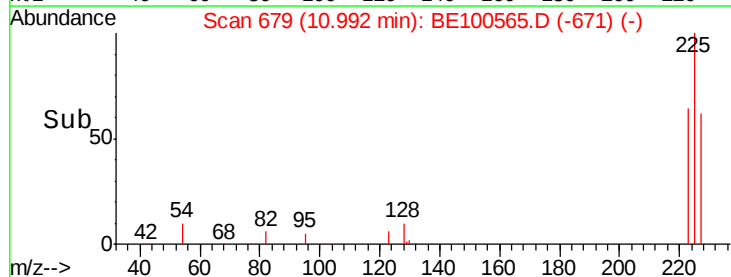
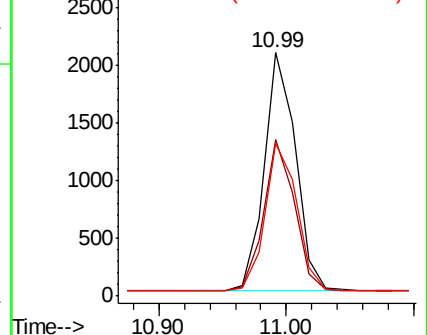
227 62.6 51.4 77.2

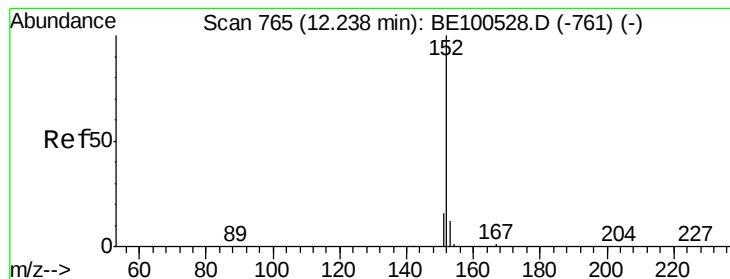


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.387 ng

RT: 12.24 min Scan# 765

Delta R.T. 0.00 min

Lab File: BE100565.D

Acq: 26 Sep 2019 12:43

Instrument :

BNA\_E

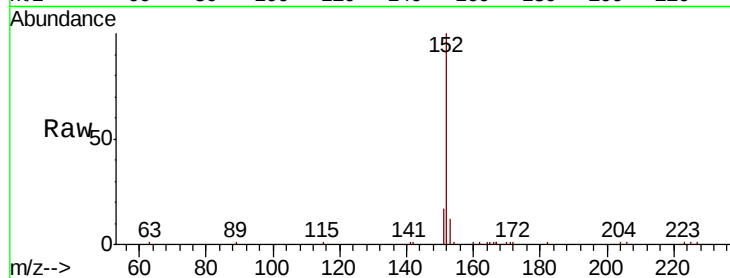
ClientSampled :

Tot Ion:152 Resp: 15674

Ion Ratio Lower Upper

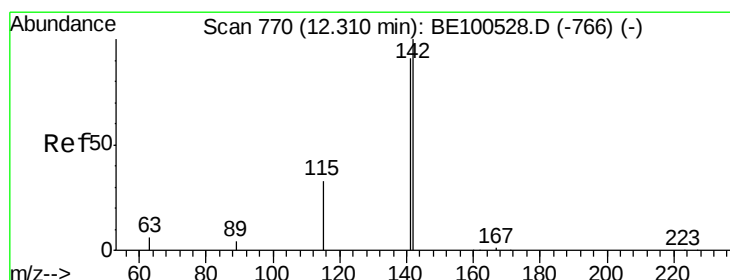
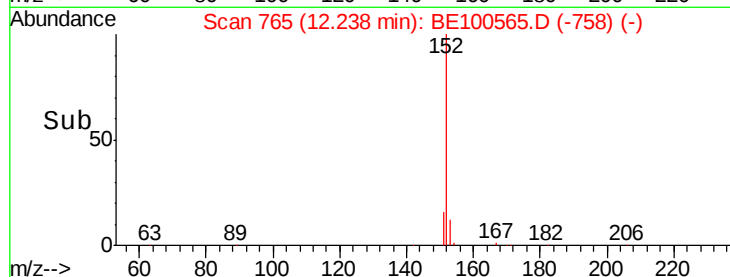
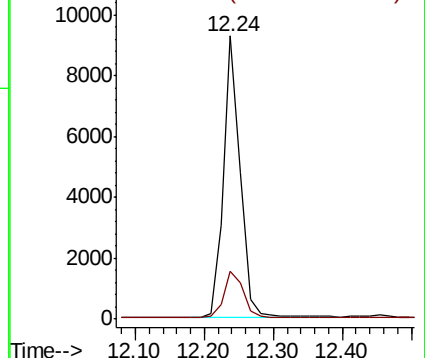
152 100

151 18.9 15.3 22.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.399 ng

RT: 12.31 min Scan# 770

Delta R.T. 0.00 min

Lab File: BE100565.D

Acq: 26 Sep 2019 12:43

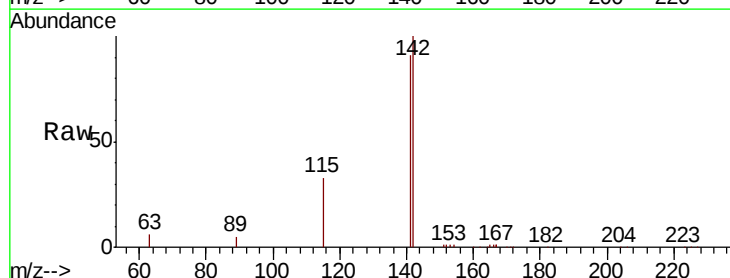
Tgt Ion:142 Resp: 17796

Ion Ratio Lower Upper

142 100

141 90.8 72.5 108.7

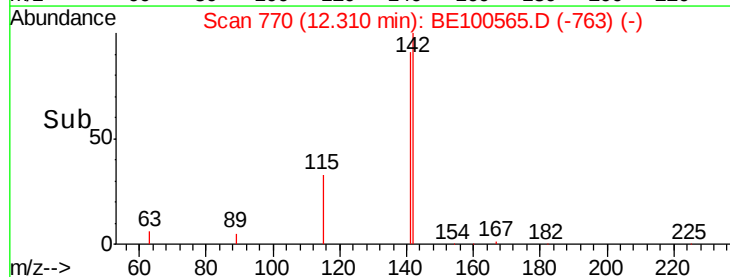
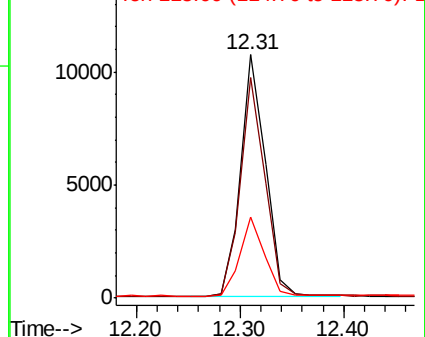
115 33.3 27.2 40.8

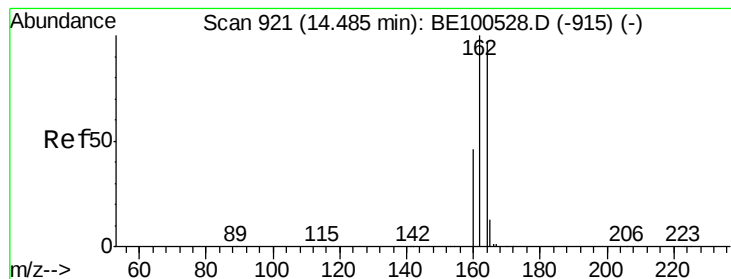


Abundance Ion 142.00 (141.70 to 142.70): E

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: 14.49 min Scan# 921

Delta R.T. 0.00 min

Lab File: BE100565.D

Acq: 26 Sep 2019 12:43

Instrument :

BNA\_E

ClientSampleId :

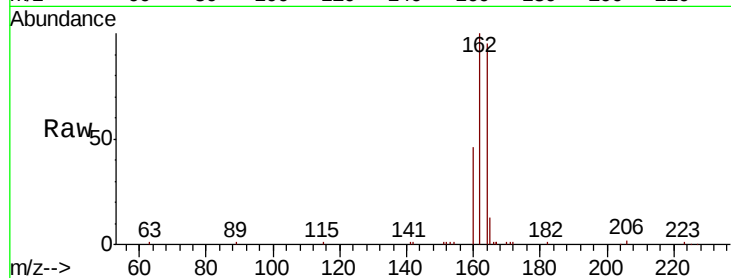
Tot Ion:164 Resp: 14499

Ion Ratio Lower Upper

164 100

162 105.0 82.1 123.1

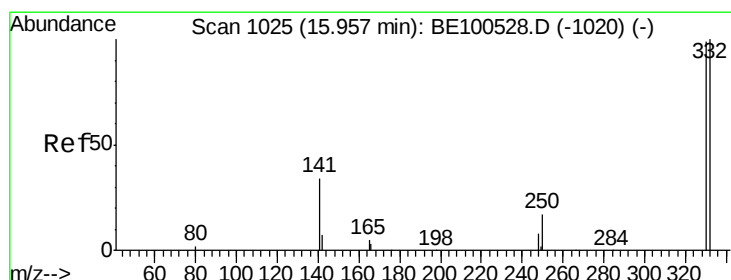
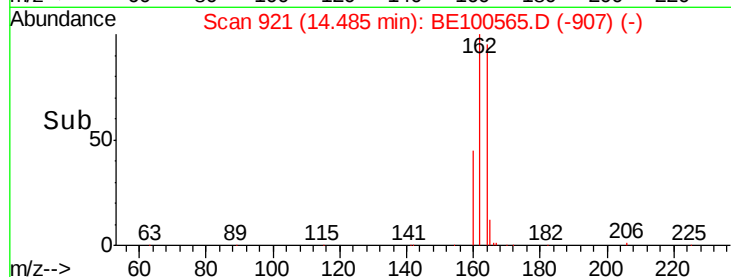
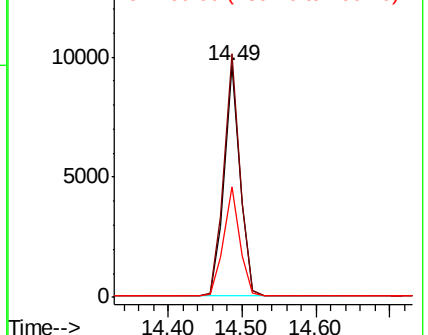
160 47.9 37.6 56.4



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: 0.654 ng

RT: 15.96 min Scan# 1025

Delta R.T. -0.00 min

Lab File: BE100565.D

Acq: 26 Sep 2019 12:43

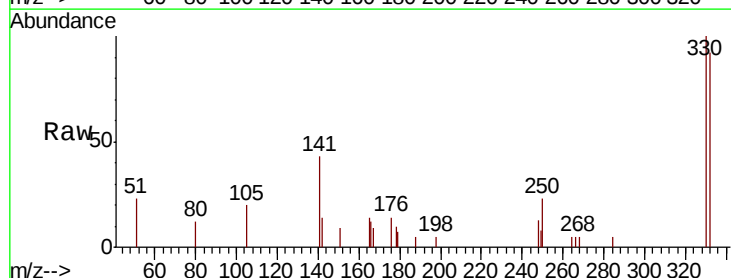
Tgt Ion:330 Resp: 1534

Ion Ratio Lower Upper

330 100

332 95.4 75.5 113.3

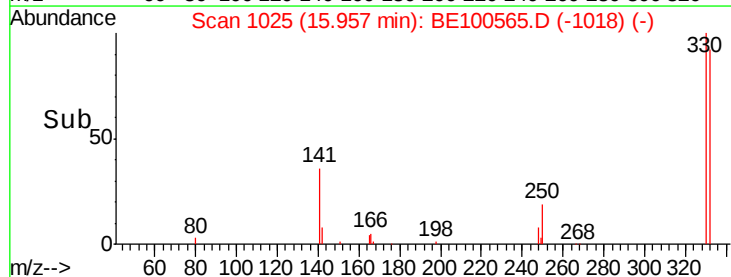
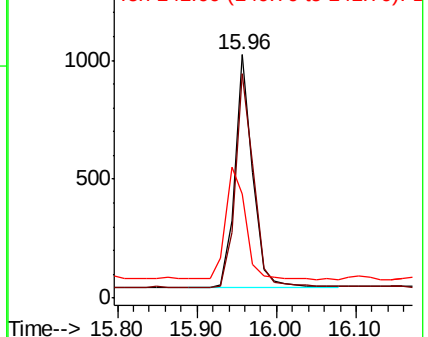
141 53.3 42.3 63.5

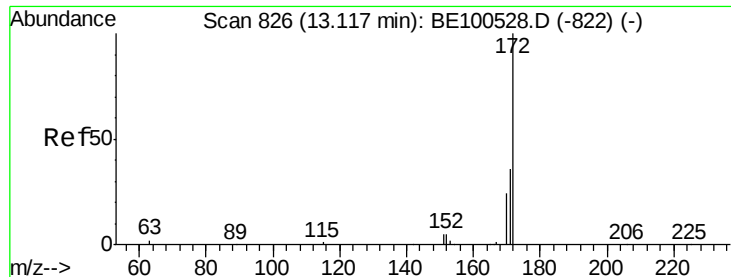


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

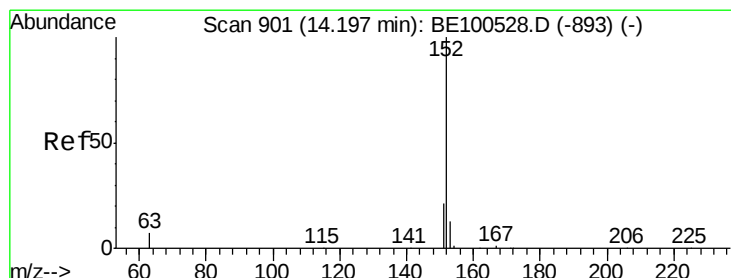
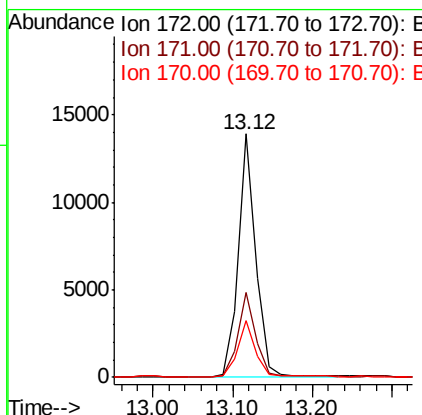
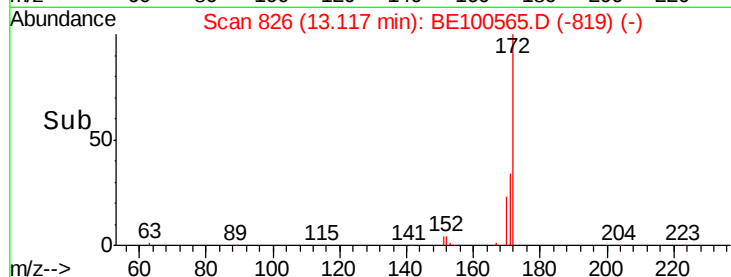
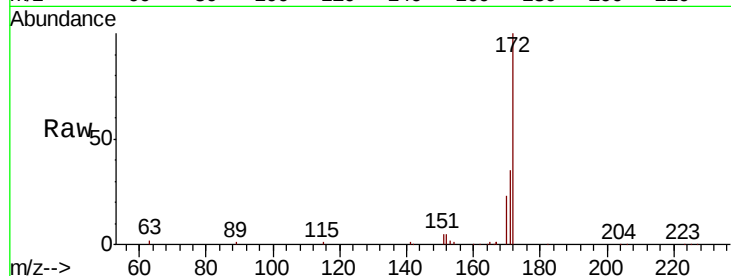




#15  
2-Fluorobiphenyl  
Concen: 0.404 ng  
RT: 13.12 min Scan# 826  
Delta R.T. 0.00 min  
Lab File: BE100565.D  
Acq: 26 Sep 2019 12:43

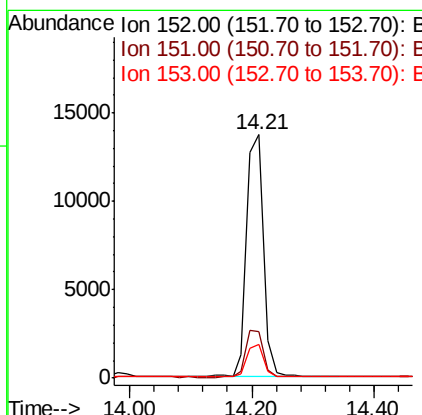
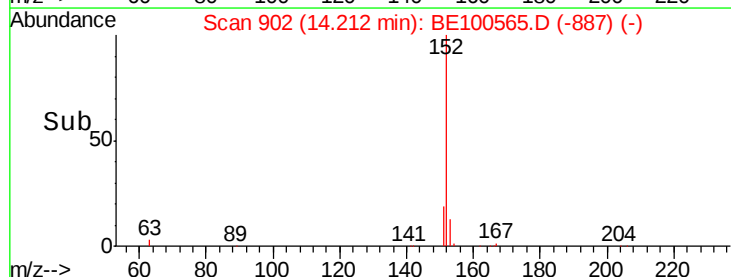
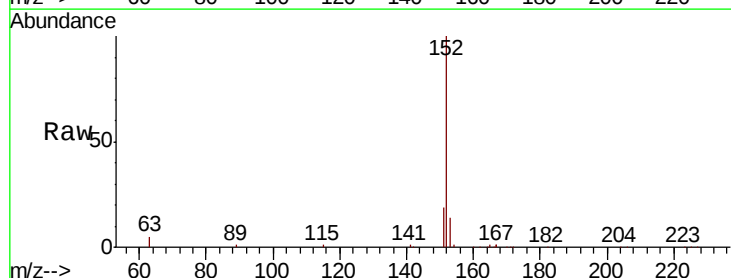
Instrument :  
BNA\_E  
ClientSampleId :

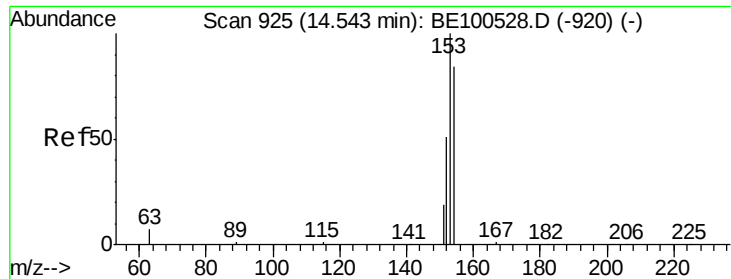
Tot Ion:172 Resp: 20909  
Ion Ratio Lower Upper  
172 100  
171 34.8 28.8 43.2  
170 23.5 19.4 29.0



#16  
Acenaphthylene  
Concen: 0.442 ng  
RT: 14.21 min Scan# 902  
Delta R.T. 0.01 min  
Lab File: BE100565.D  
Acq: 26 Sep 2019 12:43

Tgt Ion:152 Resp: 26392  
Ion Ratio Lower Upper  
152 100  
151 19.9 15.9 23.9  
153 13.2 10.7 16.1





#17

Acenaphthene

Concen: 0.411 ng

RT: 14.54 min Scan# 925

Delta R.T. 0.00 min

Lab File: BE100565.D

Acq: 26 Sep 2019 12:43

Instrument :

BNA\_E

ClientSampleId :

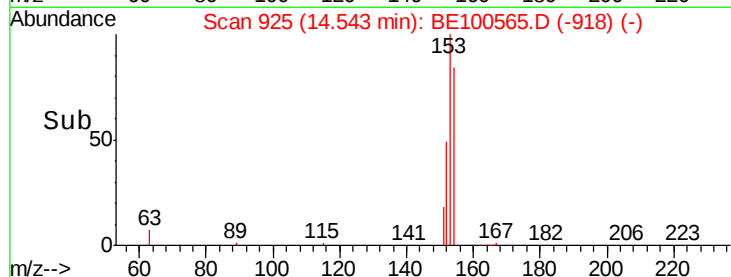
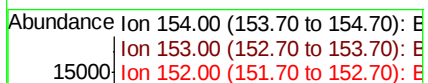
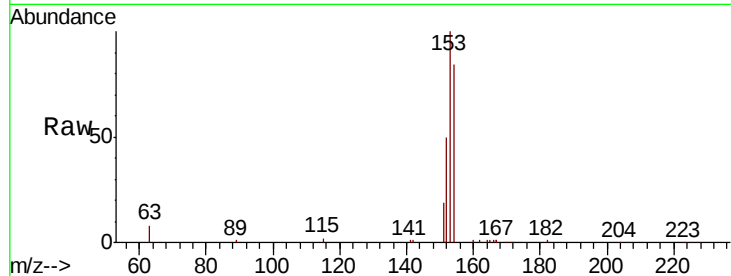
Tot Ion:154 Resp: 16556

Ion Ratio Lower Upper

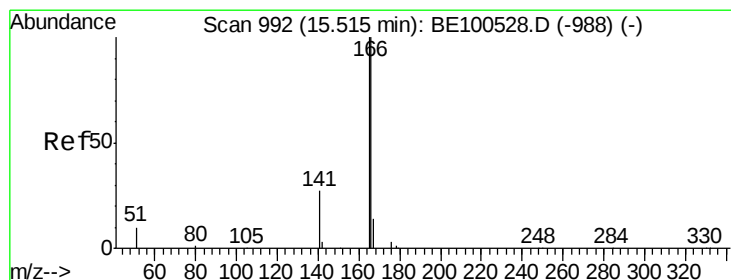
154 100

153 114.4 93.7 140.5

152 55.4 47.3 70.9



Time-->



#18

Fluorene

Concen: 0.417 ng

RT: 15.51 min Scan# 992

Delta R.T. -0.00 min

Lab File: BE100565.D

Acq: 26 Sep 2019 12:43

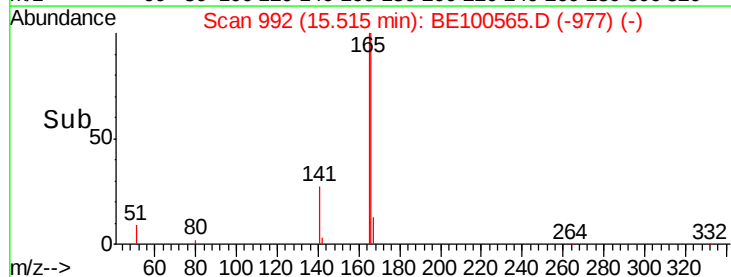
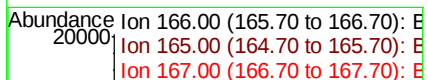
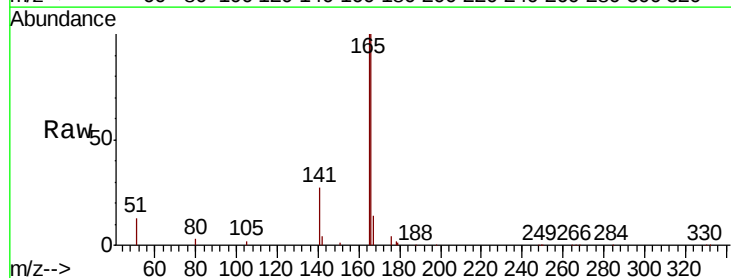
Tgt Ion:166 Resp: 21011

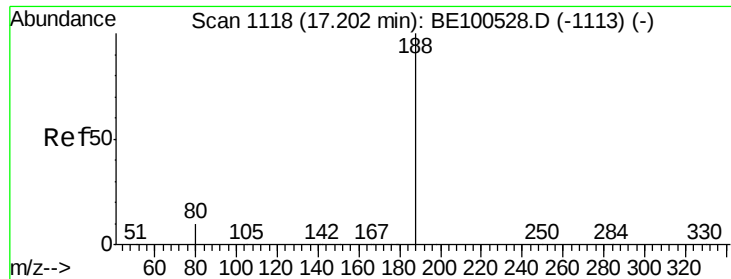
Ion Ratio Lower Upper

166 100

165 99.6 80.1 120.1

167 13.5 10.9 16.3





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.20 min Scan# 1118

Delta R.T. -0.00 min

Lab File: BE100565.D

Acq: 26 Sep 2019 12:43

Instrument :

BNA\_E

ClientSampled :

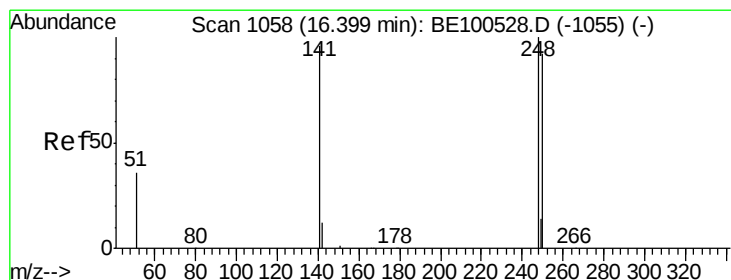
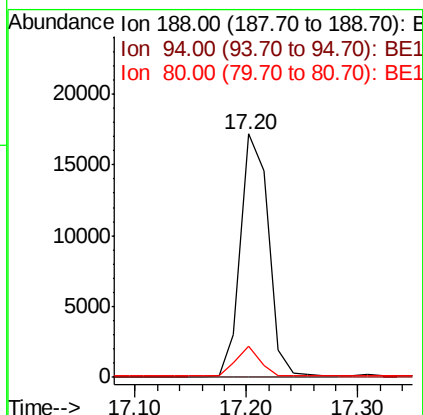
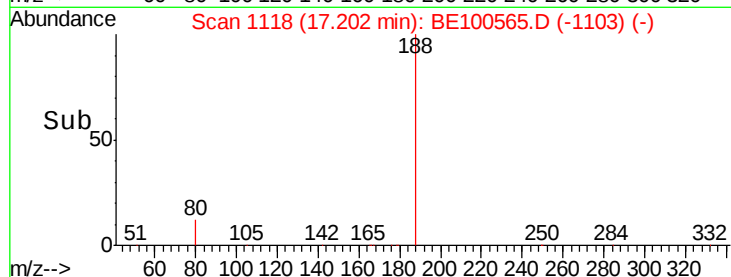
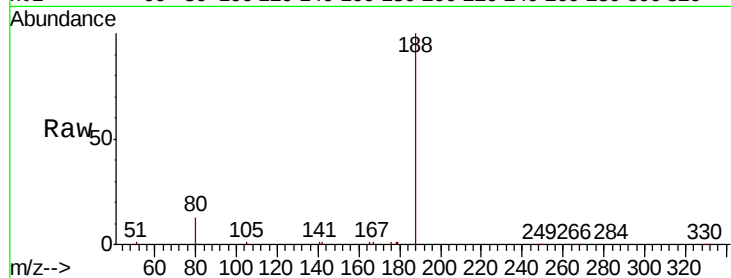
Tot Ion:188 Resp: 29727

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.8 8.0 12.0#



#20

4-Bromophenyl-phenylether

Concen: 0.414 ng

RT: 16.40 min Scan# 1058

Delta R.T. -0.00 min

Lab File: BE100565.D

Acq: 26 Sep 2019 12:43

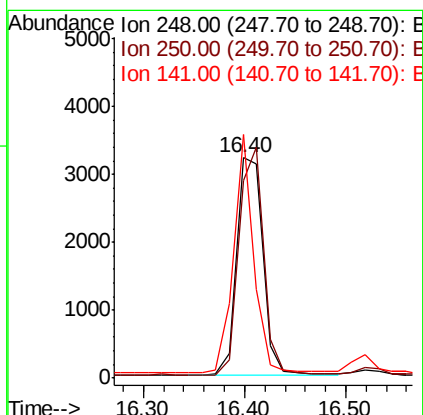
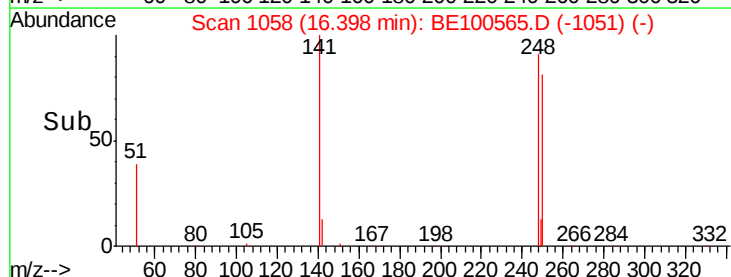
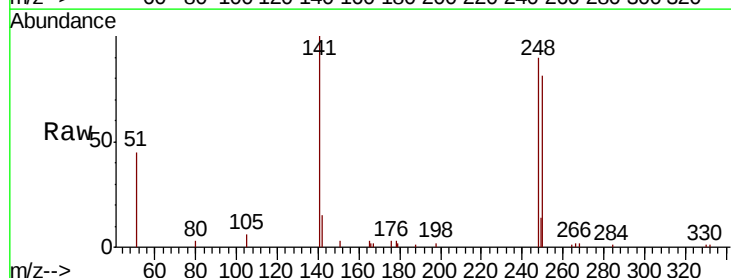
Tgt Ion:248 Resp: 5779

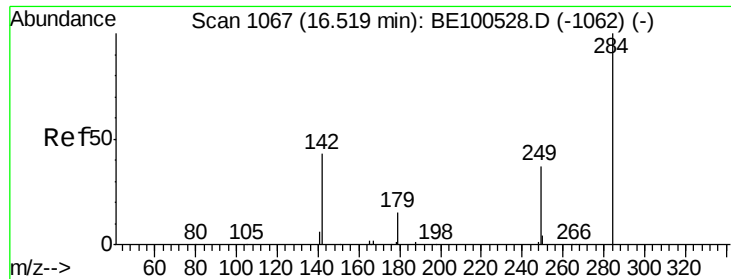
Ion Ratio Lower Upper

248 100

250 89.5 73.5 110.3

141 110.5 77.0 115.4





#21

Hexachlorobenzene

Concen: 0.384 ng

RT: 16.53 min Scan# 1068

Delta R.T. 0.01 min

Lab File: BE100565.D

Acq: 26 Sep 2019 12:43

Instrument :

BNA\_E

ClientSampleId :

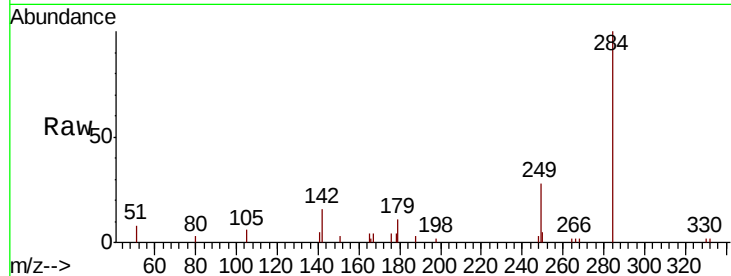
Tot Ion:284 Resp: 4671

Ion Ratio Lower Upper

284 100

142 46.9 39.0 58.6

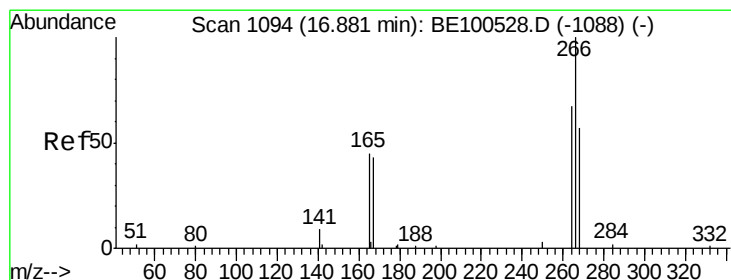
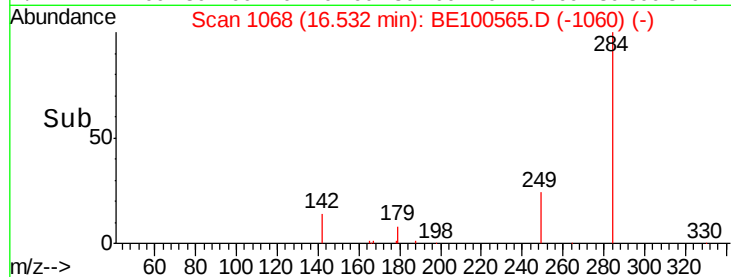
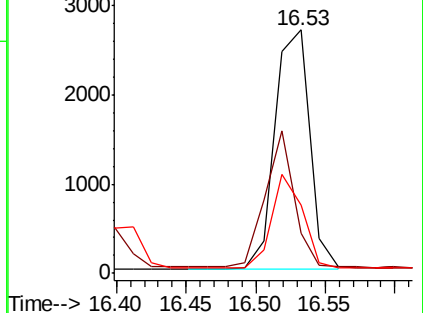
249 35.3 28.2 42.2



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: 0.795 ng

RT: 16.87 min Scan# 1093

Delta R.T. -0.01 min

Lab File: BE100565.D

Acq: 26 Sep 2019 12:43

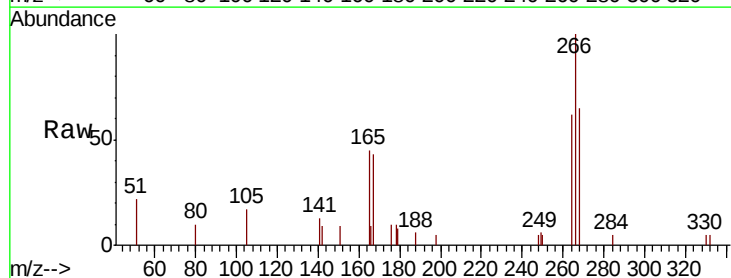
Tgt Ion:266 Resp: 1885

Ion Ratio Lower Upper

266 100

264 62.5 57.6 86.4

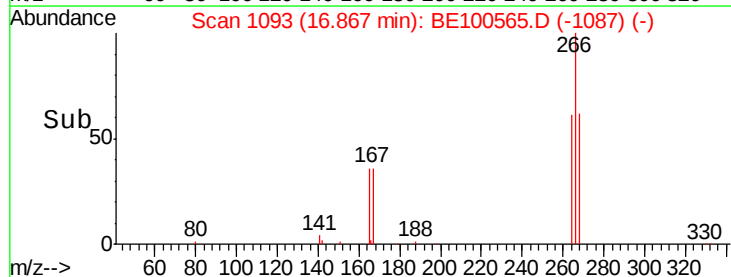
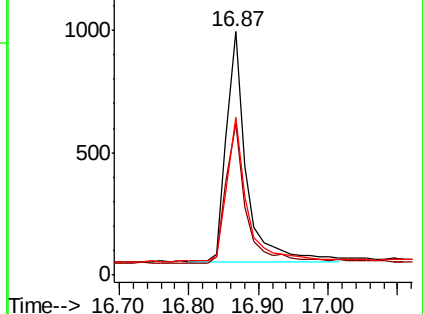
268 64.7 55.1 82.7

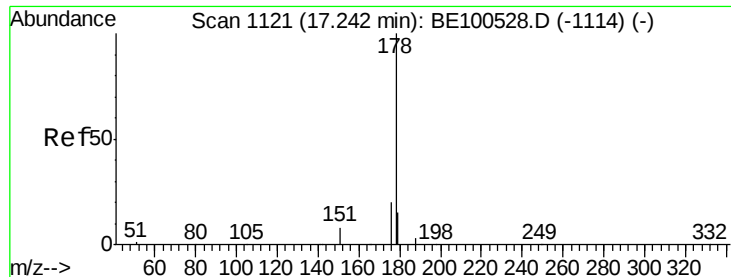


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

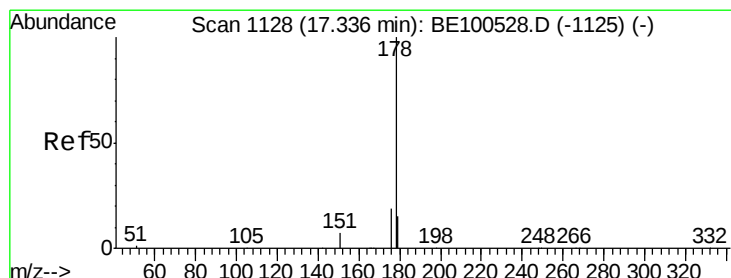
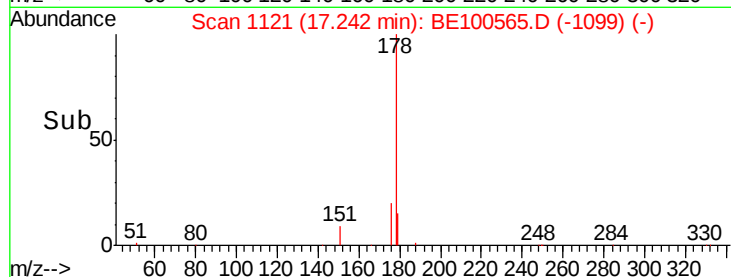
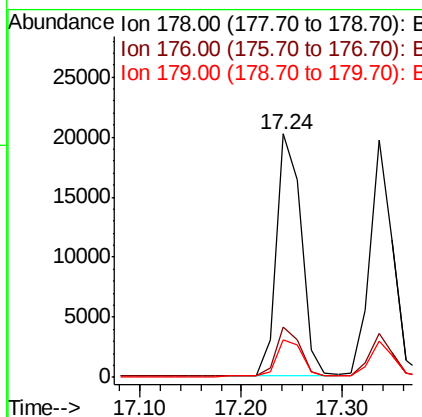
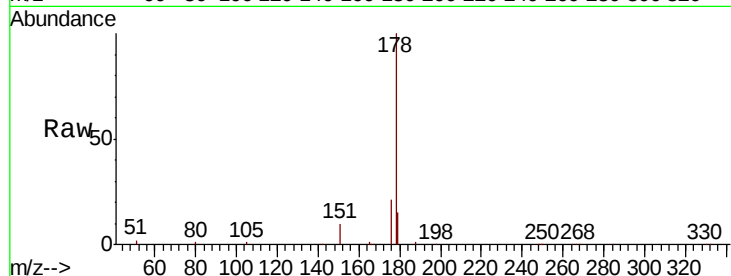




#23  
Phenanthrene  
Concen: 0.409 ng  
RT: 17.24 min Scan# 1121  
Delta R.T. -0.00 min  
Lab File: BE100565.D  
Acq: 26 Sep 2019 12:43

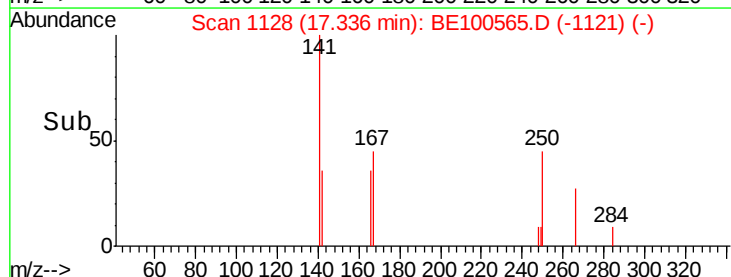
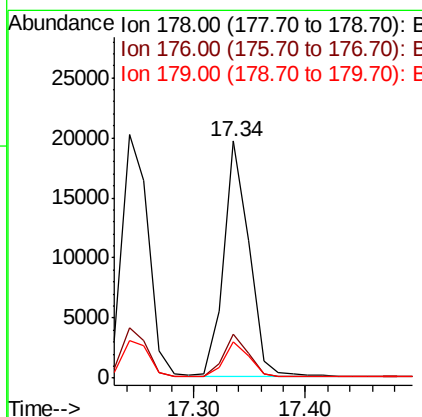
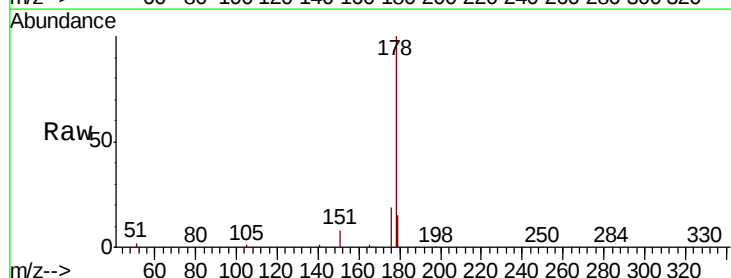
Instrument :  
BNA\_E  
ClientSampleId :

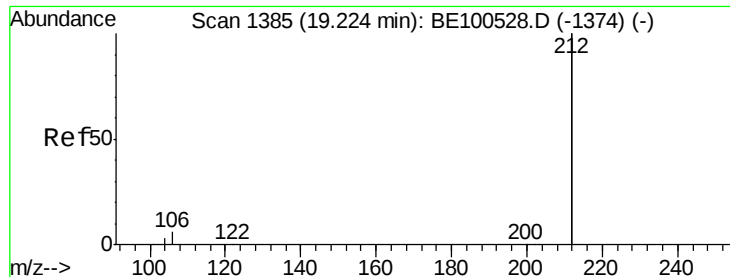
Tot Ion:178 Resp: 33879  
Ion Ratio Lower Upper  
178 100  
176 19.5 15.4 23.2  
179 15.6 12.6 18.8



#24  
Anthracene  
Concen: 0.438 ng  
RT: 17.34 min Scan# 1128  
Delta R.T. -0.00 min  
Lab File: BE100565.D  
Acq: 26 Sep 2019 12:43

Tgt Ion:178 Resp: 30542  
Ion Ratio Lower Upper  
178 100  
176 18.4 15.2 22.8  
179 15.3 12.2 18.4





#25

Fluoranthene-d10

Concen: 0.385 ng

RT: 19.23 min Scan# 1386

Delta R.T. 0.01 min

Lab File: BE100565.D

Acq: 26 Sep 2019 12:43

Instrument :

BNA\_E

ClientSampleId :

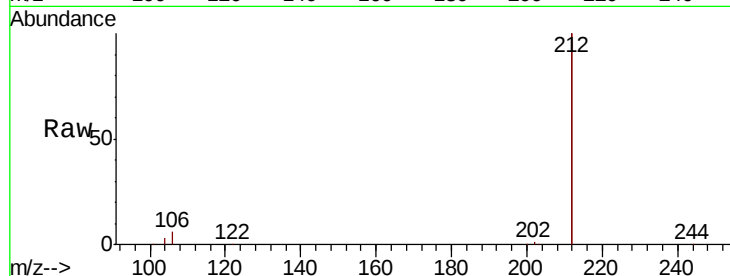
Tot Ion:212 Resp: 136297

Ion Ratio Lower Upper

212 100

106 3.1 2.3 3.5

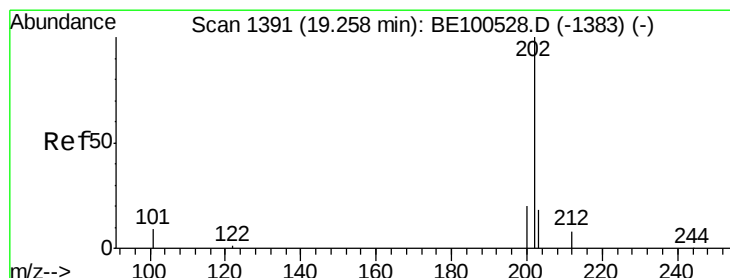
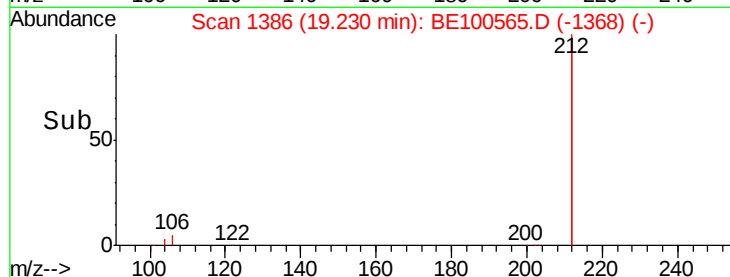
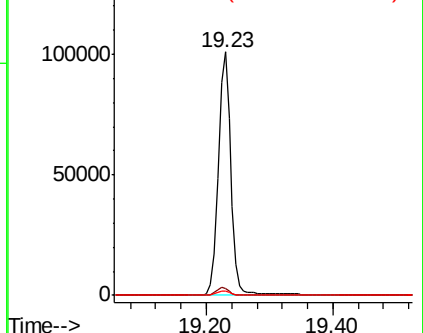
104 1.7 1.3 1.9



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: 0.391 ng

RT: 19.26 min Scan# 1391

Delta R.T. 0.00 min

Lab File: BE100565.D

Acq: 26 Sep 2019 12:43

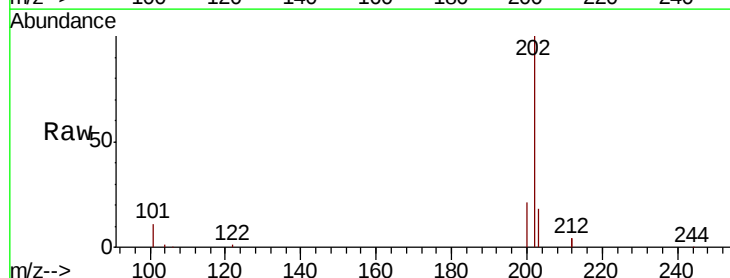
Tgt Ion:202 Resp: 39077

Ion Ratio Lower Upper

202 100

101 11.1 8.8 13.2

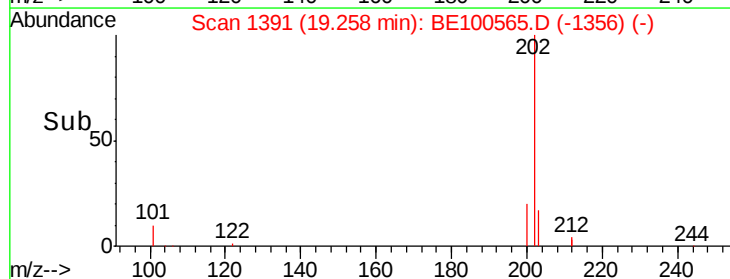
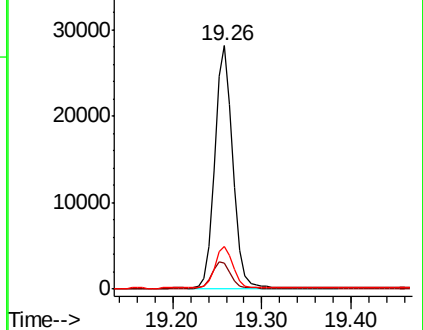
203 17.0 13.7 20.5



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

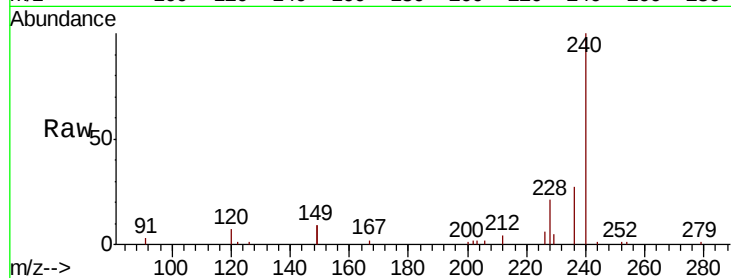




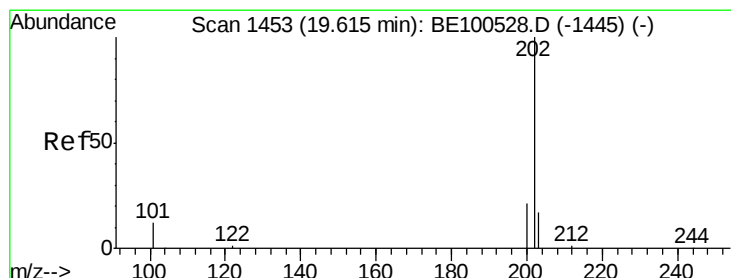
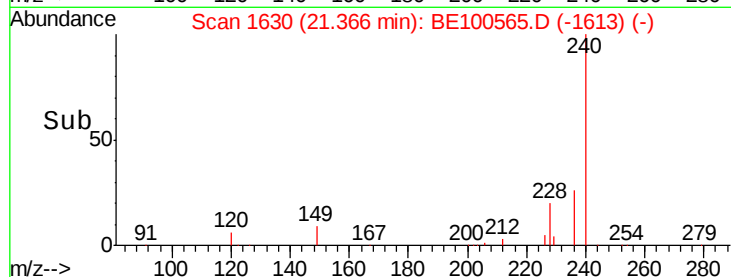
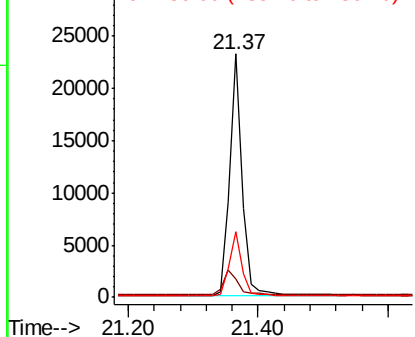
#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.37 min Scan# 1630  
 Delta R.T. -0.00 min  
 Lab File: BE100565.D  
 Acq: 26 Sep 2019 12:43

Instrument :  
 BNA\_E  
 ClientSampleId :

Tot Ion:240 Resp: 31777  
 Ion Ratio Lower Upper  
 240 100  
 120 7.4 4.5 6.7#  
 236 26.8 20.6 30.8

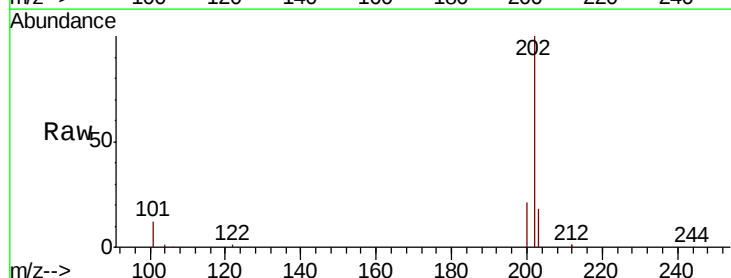


Abundance Ion 240.00 (239.70 to 240.70): E  
 Ion 120.00 (119.70 to 120.70): E  
 Ion 236.00 (235.70 to 236.70): E

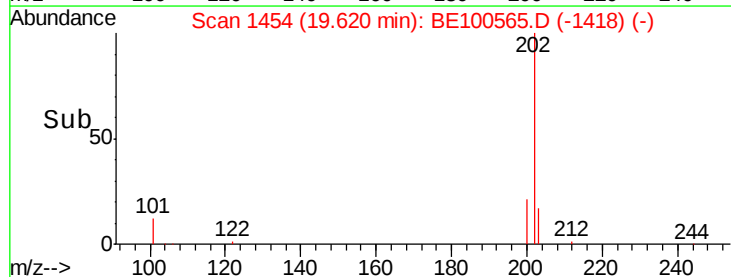
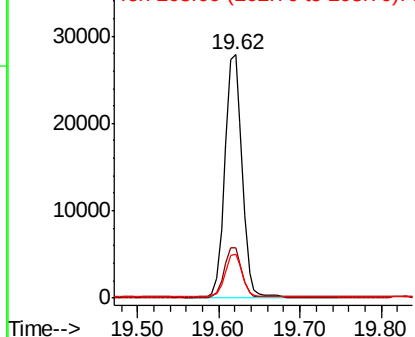


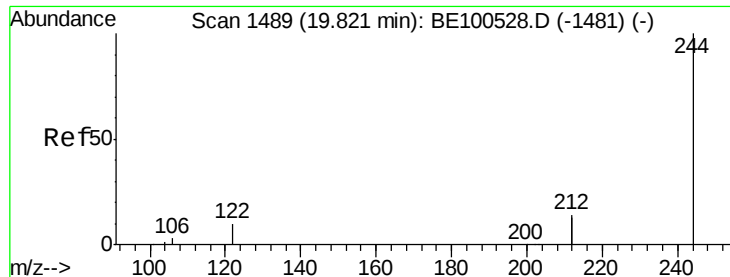
#28  
 Pyrene  
 Concen: 0.445 ng  
 RT: 19.62 min Scan# 1454  
 Delta R.T. 0.01 min  
 Lab File: BE100565.D  
 Acq: 26 Sep 2019 12:43

Tgt Ion:202 Resp: 40673  
 Ion Ratio Lower Upper  
 202 100  
 200 20.9 16.6 25.0  
 203 17.7 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: 0.420 ng

RT: 19.82 min Scan# 1489

Delta R.T. 0.00 min

Lab File: BE100565.D

Acq: 26 Sep 2019 12:43

Instrument :

BNA\_E

ClientSampleId :

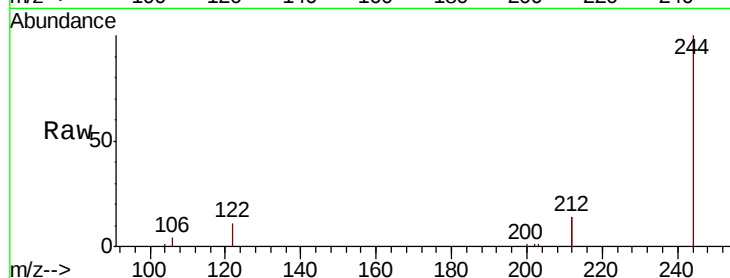
Tot Ion:244 Resp: 31634

Ion Ratio Lower Upper

244 100

212 27.8 22.2 33.2

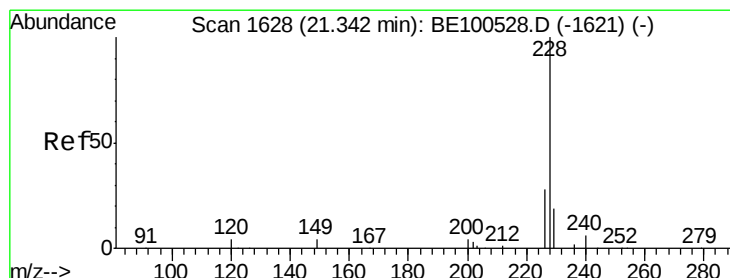
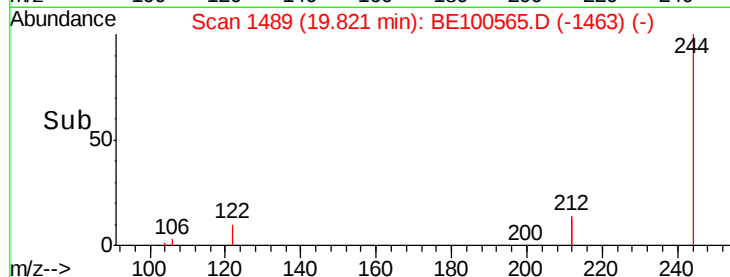
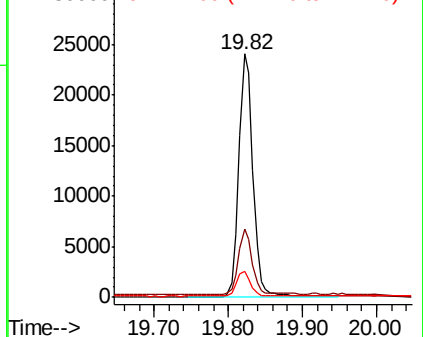
122 10.9 8.3 12.5



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: 0.458 ng

RT: 21.35 min Scan# 1629

Delta R.T. 0.01 min

Lab File: BE100565.D

Acq: 26 Sep 2019 12:43

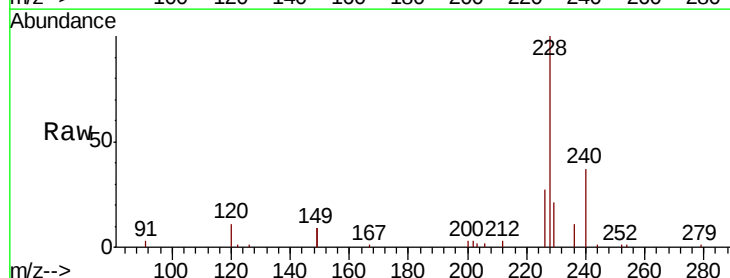
Tgt Ion:228 Resp: 38863

Ion Ratio Lower Upper

228 100

226 27.0 22.5 33.7

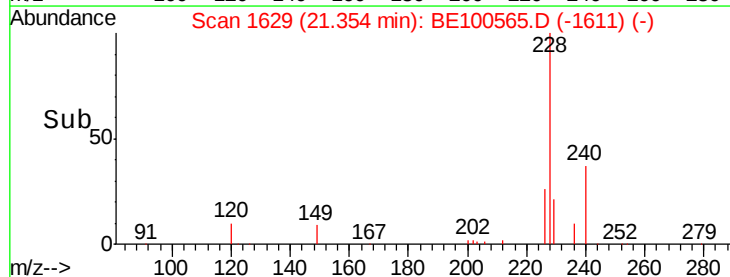
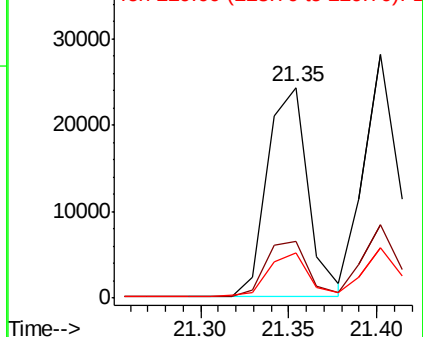
229 21.5 15.4 23.2

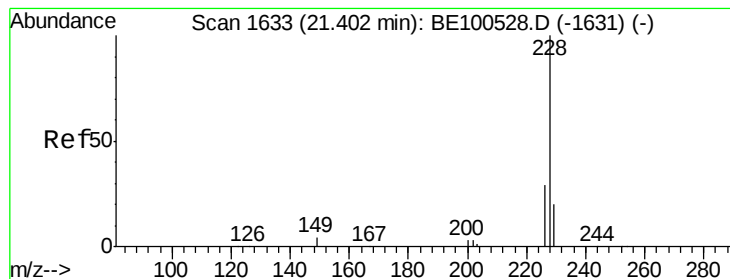


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.394 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE100565.D

Acq: 26 Sep 2019 12:43

Instrument :

BNA\_E

ClientSampled :

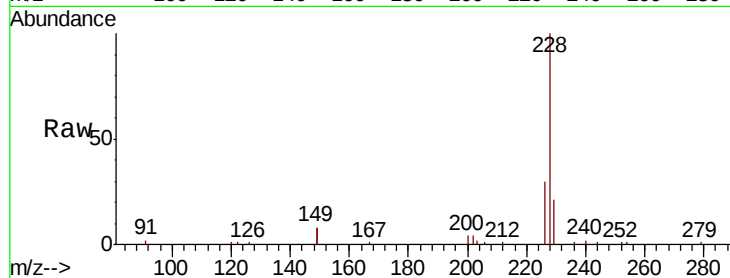
Tot Ion:228 Resp: 38130

Ion Ratio Lower Upper

228 100

226 30.1 23.3 34.9

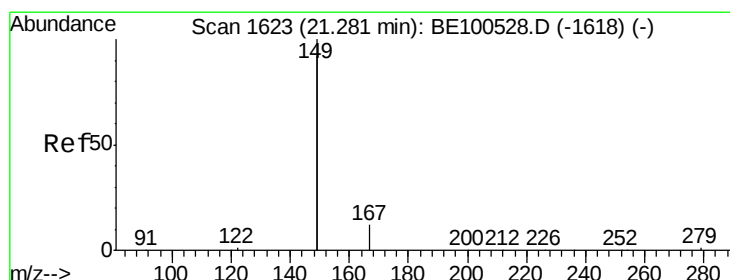
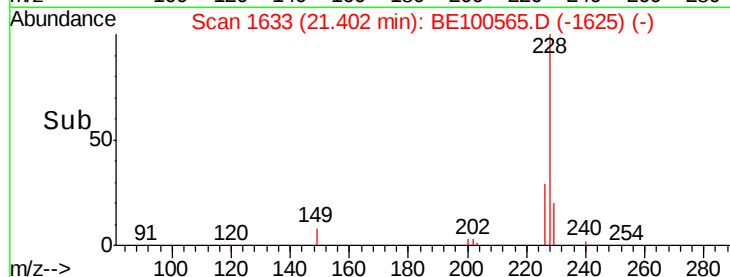
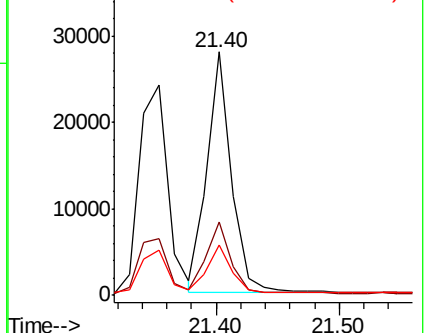
229 20.6 16.3 24.5



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: 1.185 ng

RT: 21.28 min Scan# 1623

Delta R.T. -0.00 min

Lab File: BE100565.D

Acq: 26 Sep 2019 12:43

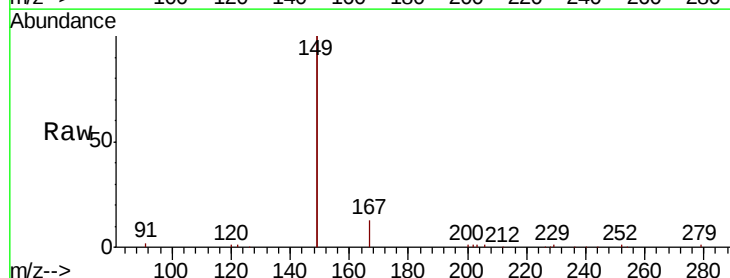
Tgt Ion:149 Resp: 108416

Ion Ratio Lower Upper

149 100

167 6.8 5.2 7.8

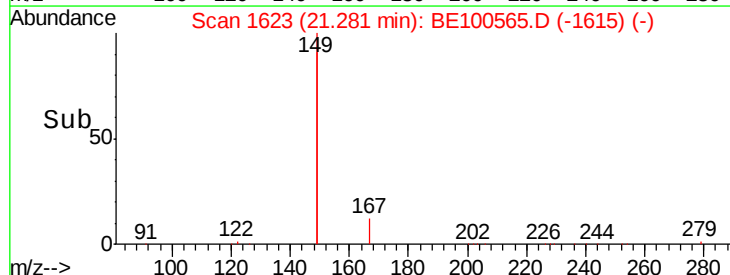
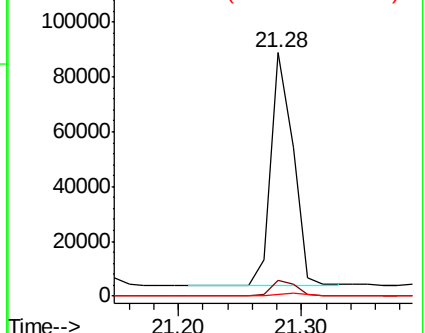
279 1.0 1.0 1.4

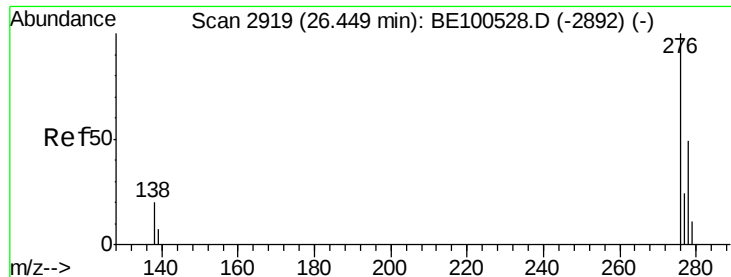


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

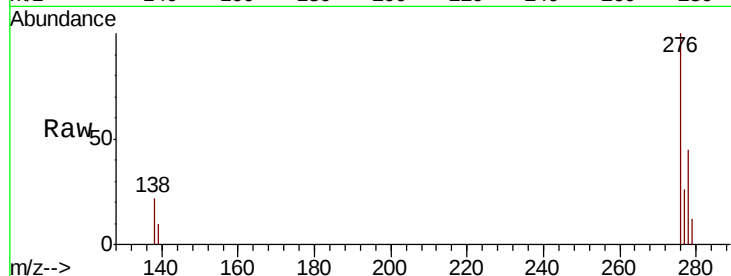




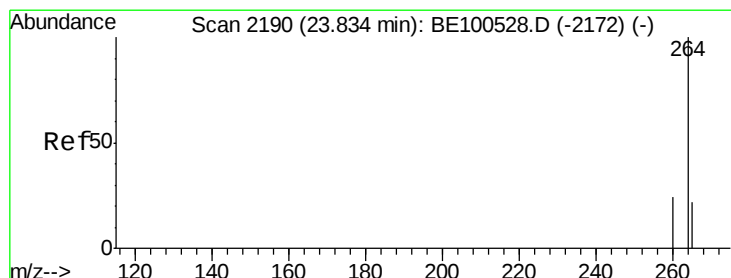
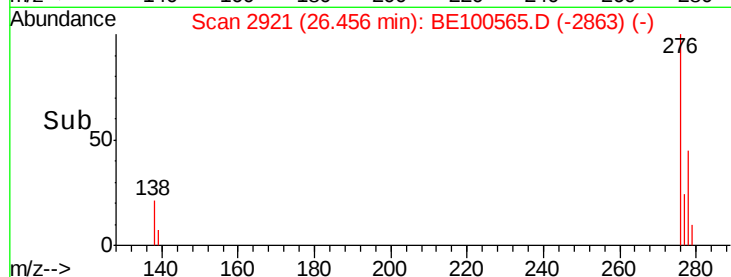
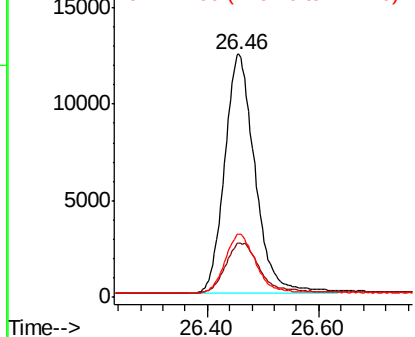
#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.438 ng  
 RT: 26.46 min Scan# 2921  
 Delta R.T. 0.01 min  
 Lab File: BE100565.D  
 Acq: 26 Sep 2019 12:43

Instrument :  
 BNA\_E  
 ClientSampleId :

Tot Ion:276 Resp: 47088  
 Ion Ratio Lower Upper  
 276 100  
 138 23.4 17.7 26.5  
 277 25.1 19.9 29.9

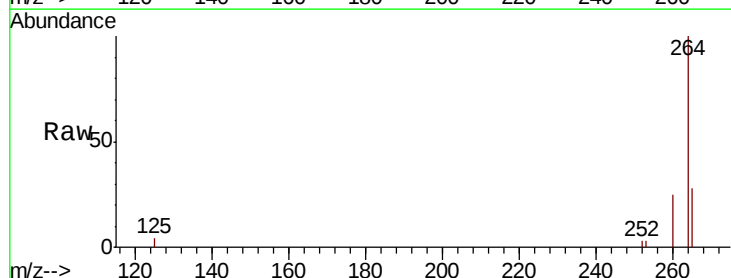


Abundance Ion 276.00 (275.70 to 276.70): E  
 Ion 138.00 (137.70 to 138.70): E  
 Ion 277.00 (276.70 to 277.70): E

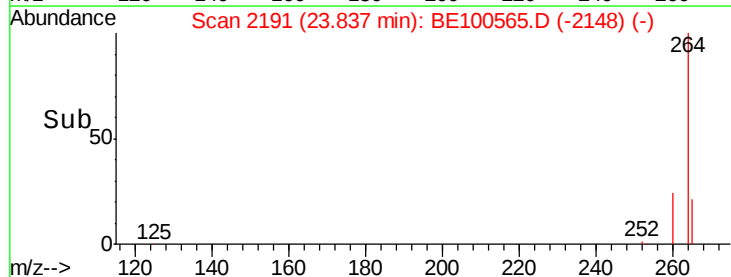
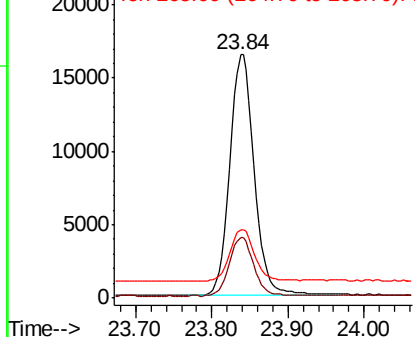


#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.84 min Scan# 2191  
 Delta R.T. 0.00 min  
 Lab File: BE100565.D  
 Acq: 26 Sep 2019 12:43

Tgt Ion:264 Resp: 36866  
 Ion Ratio Lower Upper  
 264 100  
 260 25.0 19.6 29.4  
 265 28.3 21.8 32.8



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

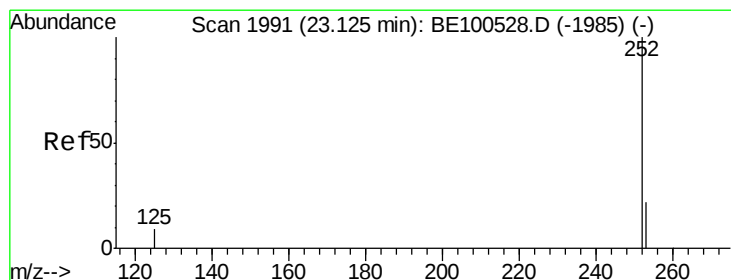
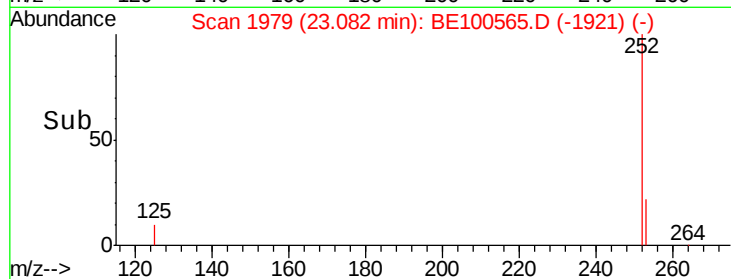
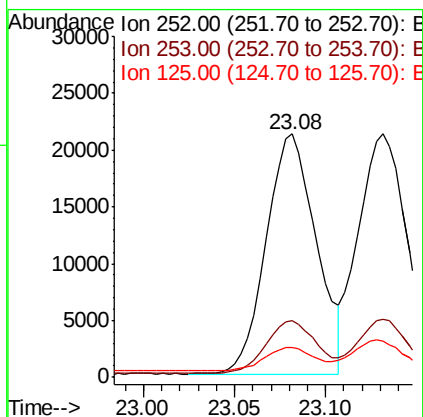
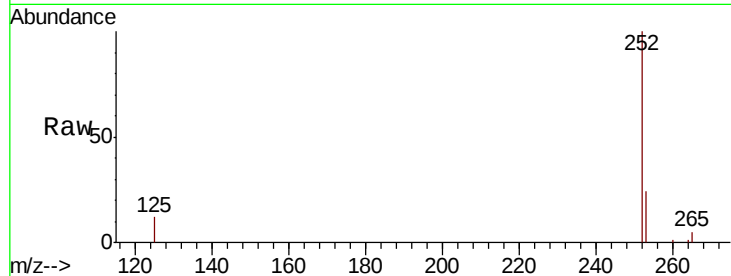




#35  
Benzo(b)fluoranthene  
Concen: 0.403 ng  
RT: 23.08 min Scan# 1979  
Delta R.T. 0.01 min  
Lab File: BE100565.D  
Acq: 26 Sep 2019 12:43

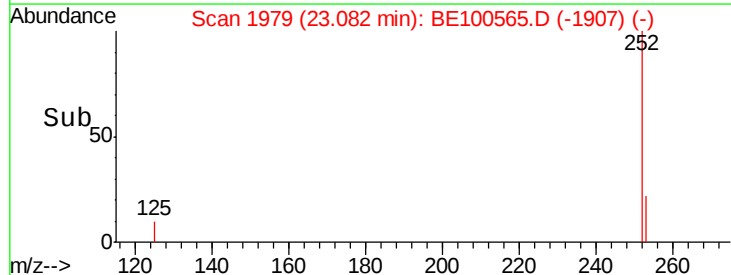
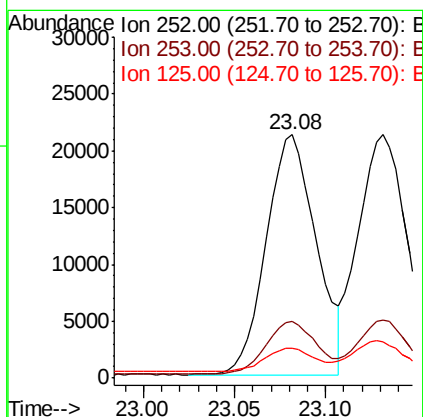
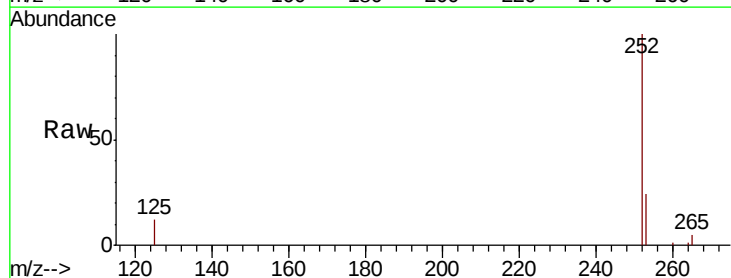
Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:252 Resp: 40232  
Ion Ratio Lower Upper  
252 100  
253 23.6 18.1 27.1  
125 12.3 8.0 12.0#



#36  
Benzo(k)fluoranthene  
Concen: 0.349 ng  
RT: 23.08 min Scan# 1979  
Delta R.T. -0.04 min  
Lab File: BE100565.D  
Acq: 26 Sep 2019 12:43

Tgt Ion:252 Resp: 40232  
Ion Ratio Lower Upper  
252 100  
253 23.6 17.9 26.9  
125 12.3 8.5 12.7





#37

Benzo(a)pyrene

Concen: 0.408 ng

RT: 23.73 min Scan# 2161

Delta R.T. 0.01 min

Lab File: BE100565.D

Acq: 26 Sep 2019 12:43

Instrument :

BNA\_E

ClientSampleId :

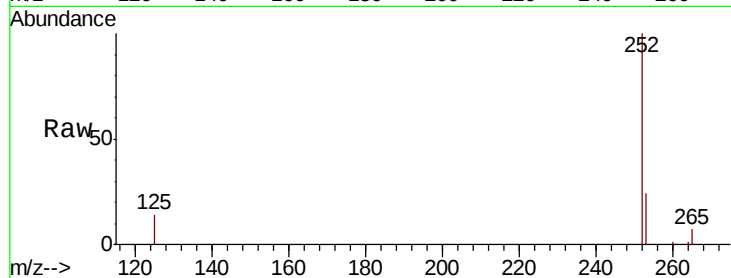
Tot Ion:252 Resp: 38004

Ion Ratio Lower Upper

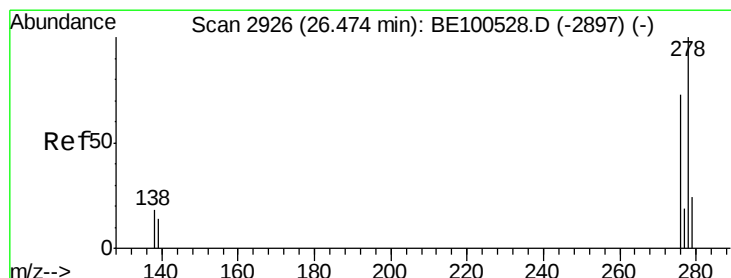
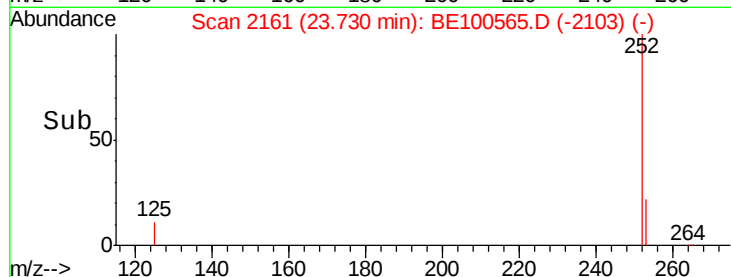
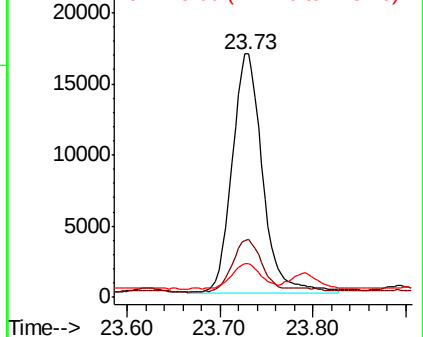
252 100

253 24.0 18.1 27.1

125 14.1 9.2 13.8#



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: 0.399 ng

RT: 26.48 min Scan# 2928

Delta R.T. 0.01 min

Lab File: BE100565.D

Acq: 26 Sep 2019 12:43

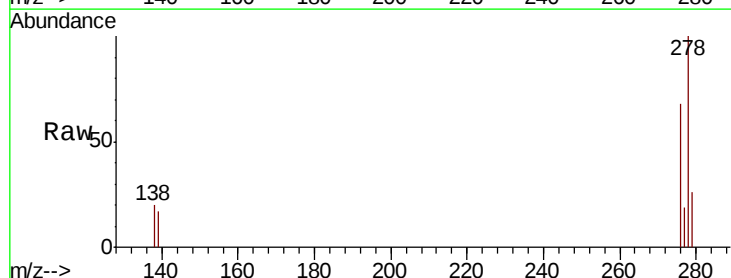
Tgt Ion:278 Resp: 38683

Ion Ratio Lower Upper

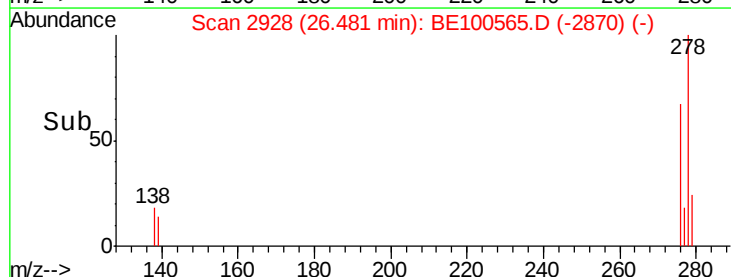
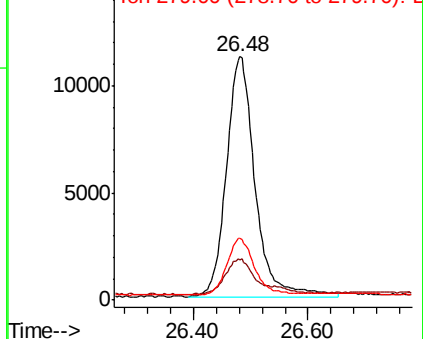
278 100

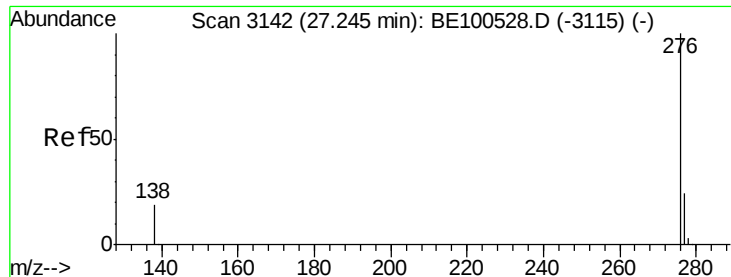
139 16.5 11.6 17.4

279 25.6 19.7 29.5



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: 0.381 ng

RT: 27.25 min Scan# 3145

Delta R.T. 0.01 min

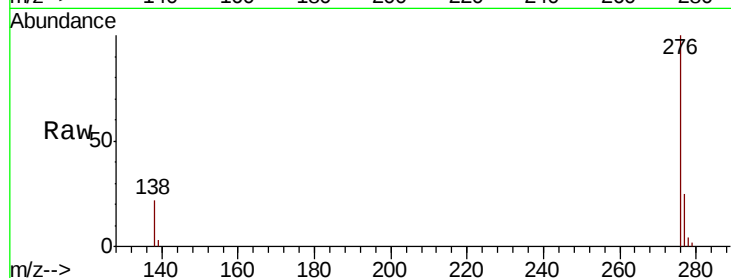
Lab File: BE100565.D

Acq: 26 Sep 2019 12:43

Instrument :

BNA\_E

ClientSampleId :



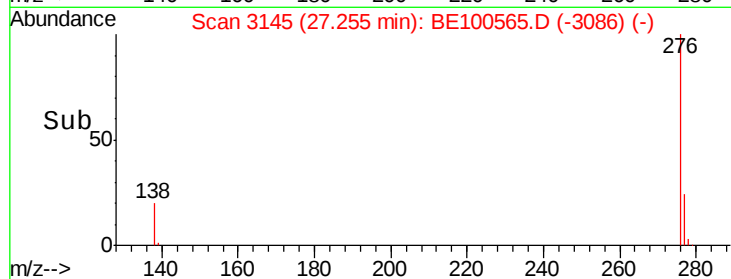
Tot Ion: 276 Resp: 38618

Ion Ratio Lower Upper

276 100

277 25.2 19.2 28.8

138 21.6 15.7 23.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

