

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092519\  
 Data File : BE100561.D  
 Acq On : 25 Sep 2019 17:52  
 Operator : JU  
 Sample : K4995-01  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Sep 26 00:41:45 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  | 7115     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.65 | 136  | 34664    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.49 | 164  | 22966    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.20 | 188  | 46289    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.38 | 240  | 55013    | 0.40 | ng    | 0.01     |
| 34) Perylene-d12          | 23.85 | 264  | 66178    | 0.40 | ng    | 0.02     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.44  | 112  | 5710     | 0.34 | ng    | 0.00     |
| 5) Phenol-d6                | 7.02  | 99   | 7846     | 0.34 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 9.00  | 82   | 6407     | 0.32 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 12.24 | 152  | 13269    | 0.26 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 15.96 | 330  | 1584     | 0.43 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 13.12 | 172  | 15809    | 0.19 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 19.24 | 212  | 120586   | 0.22 | ng    | 0.01     |
| 29) Terphenyl-d14           | 19.82 | 244  | 31950    | 0.25 | ng    | 0.00     |

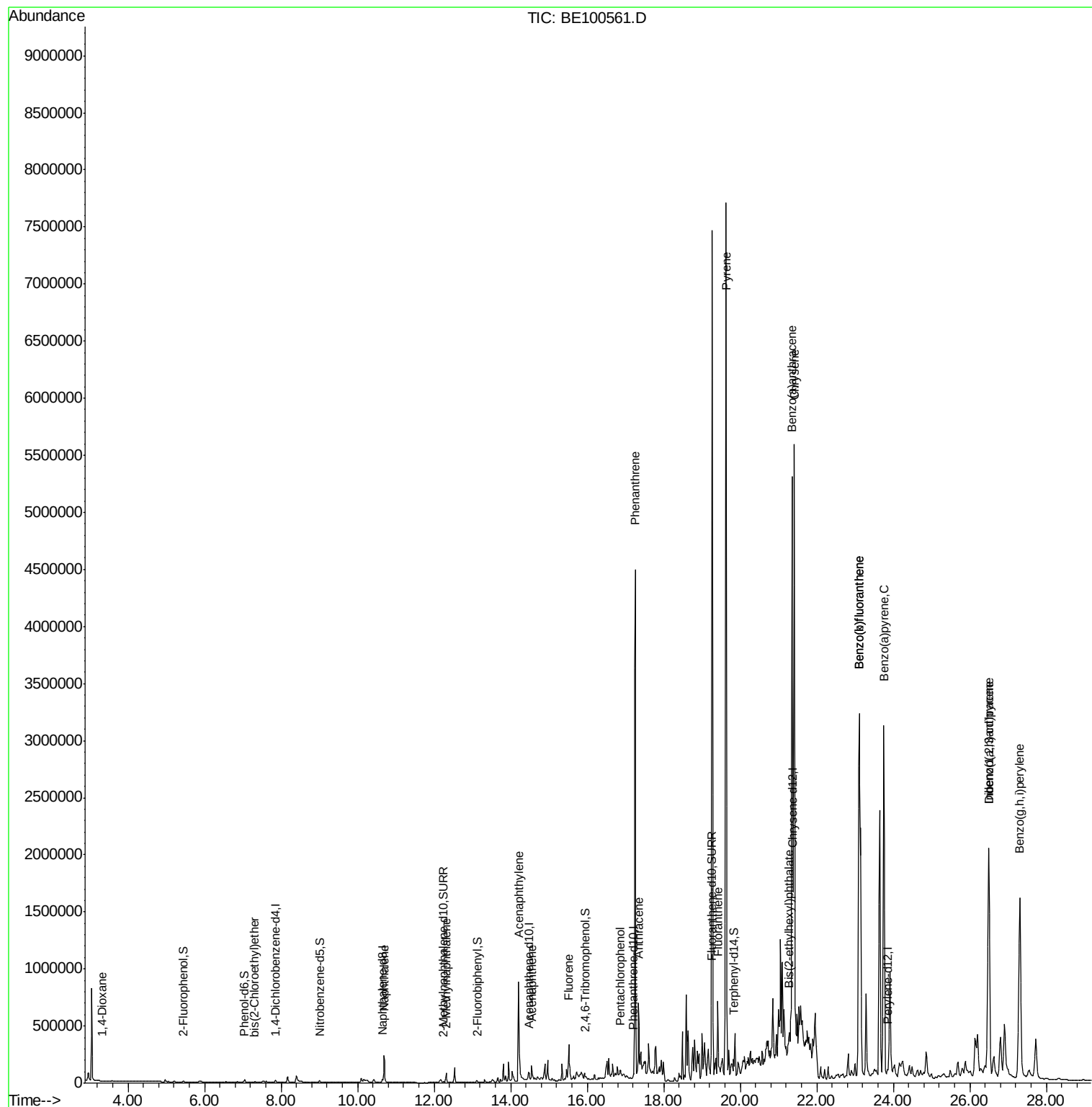
| Target Compounds               | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 2) 1,4-Dioxane                 | 3.32  | 88   | 242      | 0.024  | ng    | # 26   |
| 6) bis(2-Chloroethyl)ether     | 7.31  | 93   | 5142     | 0.223  | ng    | # 1    |
| 9) Naphthalene                 | 10.69 | 128  | 399117   | 1.111  | ng    | 100    |
| 12) 2-Methylnaphthalene        | 12.31 | 142  | 58189    | 1.018  | ng    | 99     |
| 16) Acenaphthylene             | 14.21 | 152  | 1381230  | 14.607 | ng    | 99     |
| 17) Acenaphthene               | 14.54 | 154  | 69060    | 1.081  | ng    | 94     |
| 18) Fluorene                   | 15.51 | 166  | 268957   | 3.367  | ng    | # 89   |
| 22) Pentachlorophenol          | 16.87 | 266  | 626      | 0.314  | ng    | 96     |
| 23) Phenanthrene               | 17.25 | 178  | 5033715  | 39.027 | ng    | 94     |
| 24) Anthracene                 | 17.34 | 178  | 974924   | 8.980  | ng    | # 94   |
| 26) Fluoranthene               | 19.41 | 202  | 577609   | 3.714  | ng    | 97     |
| 28) Pyrene                     | 19.63 | 202  | 8027839  | 50.716 | ng    | # 82   |
| 30) Benzo(a)anthracene         | 21.35 | 228  | 4985664  | 33.932 | ng    | # 84   |
| 31) Chrysene                   | 21.41 | 228  | 5215418  | 31.152 | ng    | # 86   |
| 32) Bis(2-ethylhexyl)phthalate | 21.28 | 149  | 68136    | 0.430  | ng    | # 94   |
| 33) Indeno(1,2,3-cd)pyrene     | 26.49 | 276  | 3769640  | 20.253 | ng    | 98     |
| 35) Benzo(b)fluoranthene       | 23.11 | 252  | 6442556  | 35.981 | ng    | # 94   |
| 36) Benzo(k)fluoranthene       | 23.11 | 252  | 6442556  | 31.097 | ng    | 94     |
| 37) Benzo(a)pyrene             | 23.75 | 252  | 4950326  | 29.633 | ng    | 95     |
| 38) Dibenzo(a,h)anthracene     | 26.50 | 278  | 933526   | 5.365  | ng    | 92     |
| 39) Benzo(g,h,i)perylene       | 27.31 | 276  | 3935362  | 21.655 | ng    | 97     |

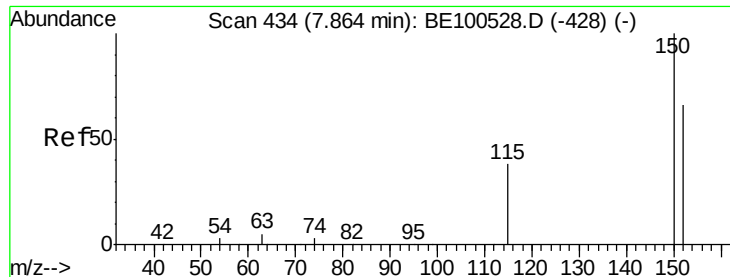
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 26 00:41:45 2019  
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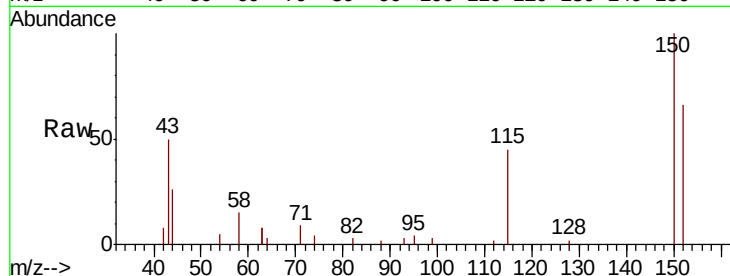


#1

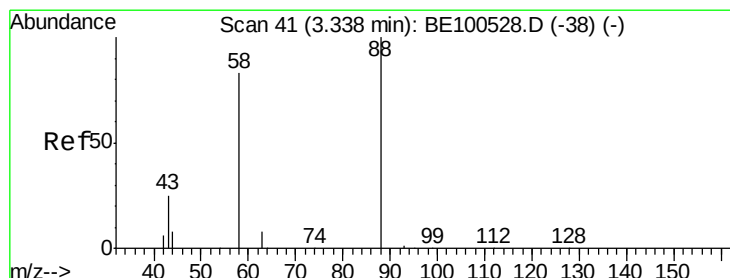
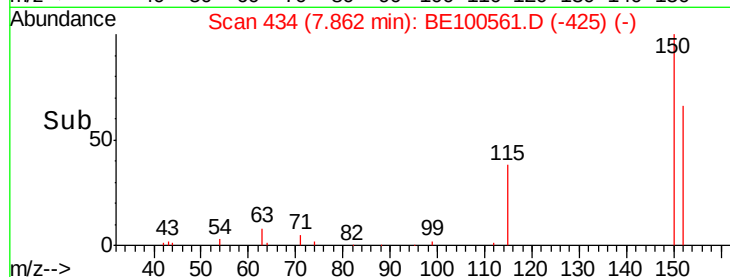
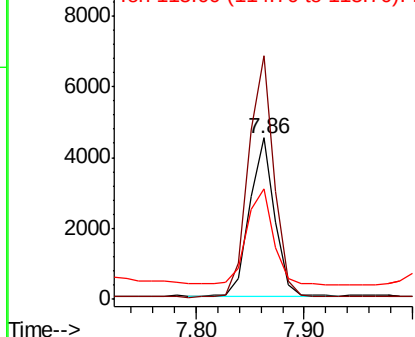
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.86 min Scan# 434  
Delta R.T. -0.00 min  
Lab File: BE100561.D  
Acq: 25 Sep 2019 17:52

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:152 Resp: 7115  
Ion Ratio Lower Upper  
152 100  
150 151.1 121.6 182.4  
115 68.6 48.2 72.4



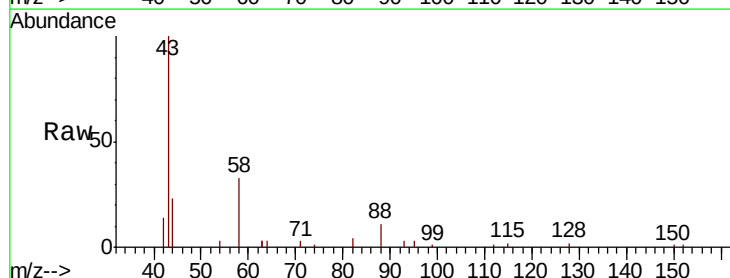
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



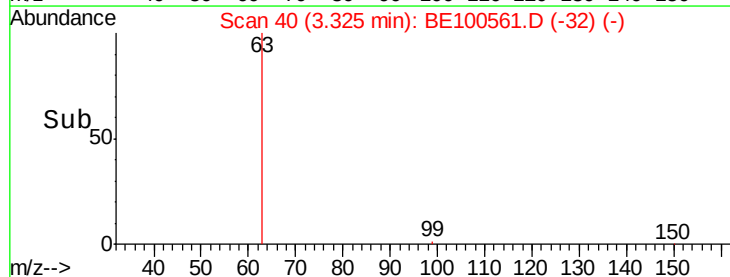
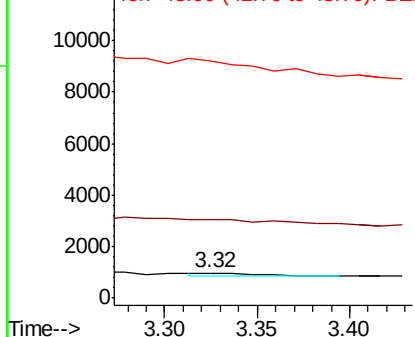
#2

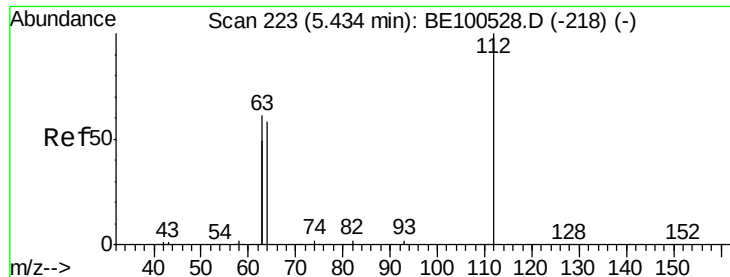
1,4-Dioxane  
Concen: 0.024 ng  
RT: 3.32 min Scan# 40  
Delta R.T. -0.01 min  
Lab File: BE100561.D  
Acq: 25 Sep 2019 17:52

Tgt Ion: 88 Resp: 242  
Ion Ratio Lower Upper  
88 100  
58 0.0 53.3 79.9#  
43 0.0 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





#4

2-Fluorophenol

Concen: 0.343 ng

RT: 5.44 min Scan# 224

Delta R.T. 0.01 min

Lab File: BE100561.D

Acq: 25 Sep 2019 17:52

Instrument :

BNA\_E

ClientSampleId :

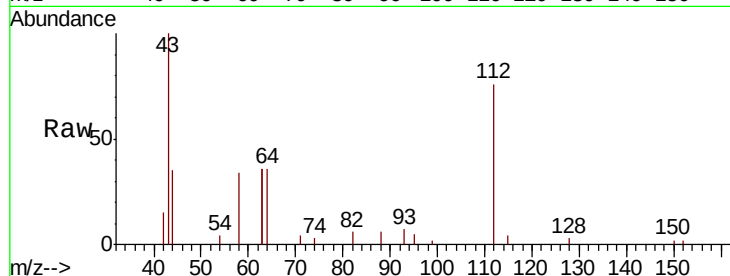
Tot Ion:112 Resp: 5710

Ion Ratio Lower Upper

112 100

64 57.1 44.1 66.1

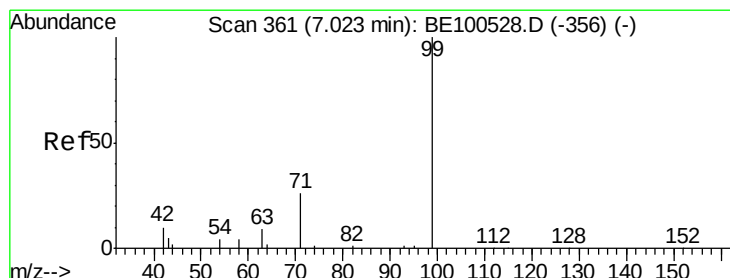
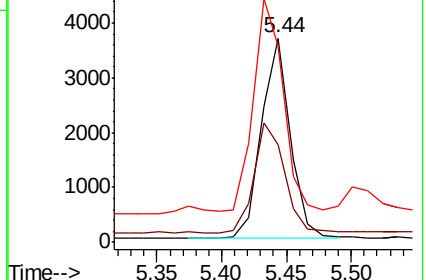
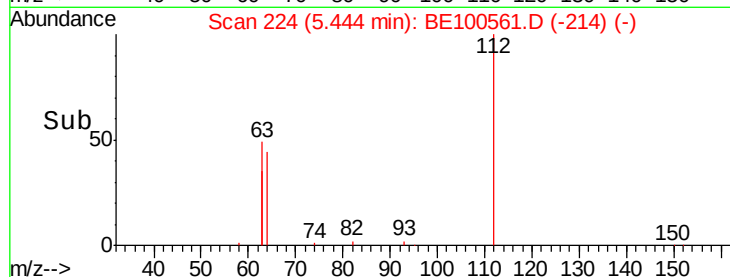
63 109.2 86.5 129.7



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: 0.344 ng

RT: 7.02 min Scan# 361

Delta R.T. -0.00 min

Lab File: BE100561.D

Acq: 25 Sep 2019 17:52

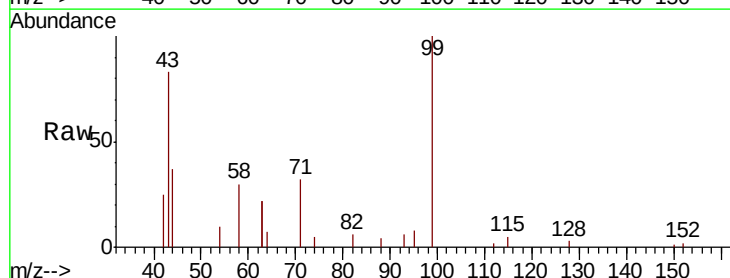
Tgt Ion: 99 Resp: 7846

Ion Ratio Lower Upper

99 100

42 26.8 13.0 19.6#

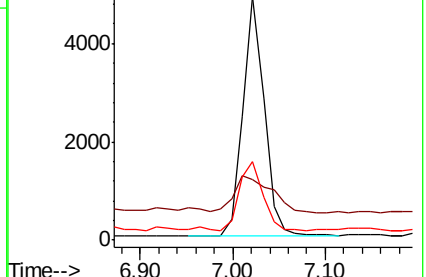
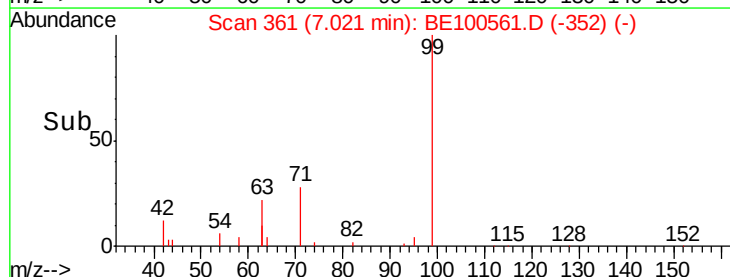
71 31.9 23.4 35.0

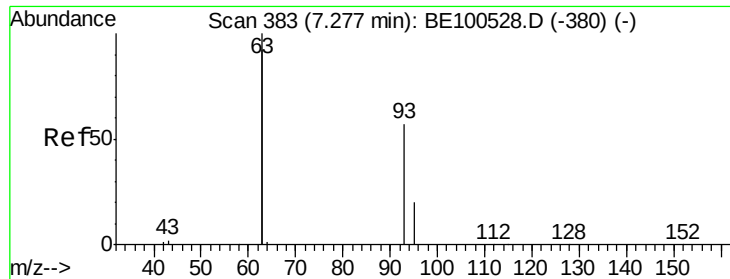


Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1





#6

bis(2-Chloroethyl)ether

Concen: 0.223 ng

RT: 7.31 min Scan# 386

Delta R.T. 0.03 min

Lab File: BE100561.D

Acq: 25 Sep 2019 17:52

Instrument :

BNA\_E

ClientSampleId :

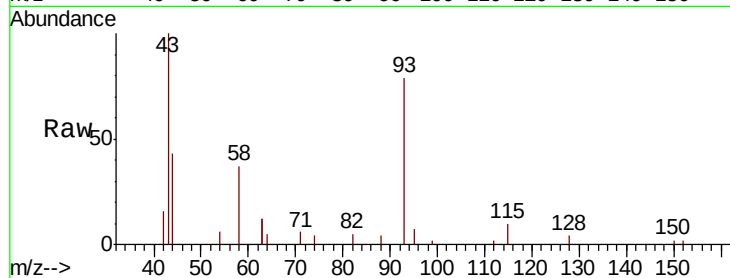
Tot Ion: 93 Resp: 5142

Ion Ratio Lower Upper

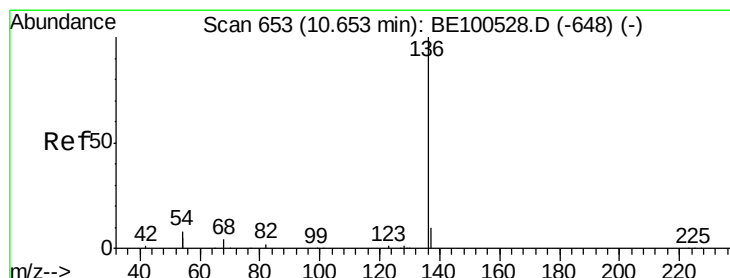
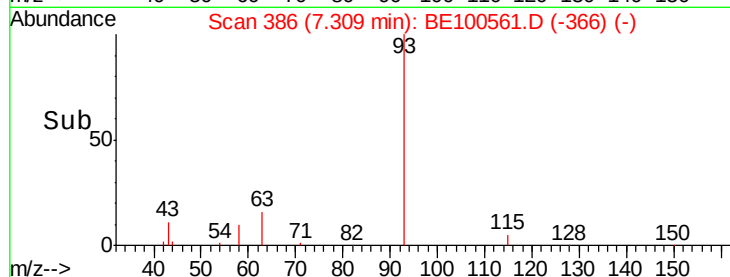
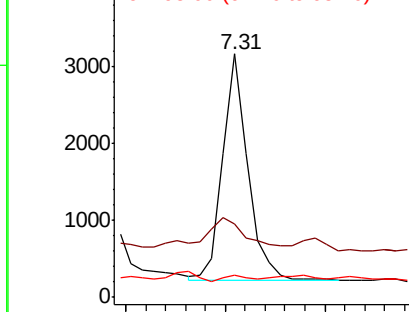
93 100

63 22.4 213.4 320.0#

95 2.4 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: BE100561.D

Acq: 25 Sep 2019 17:52

Tgt Ion: 136 Resp: 34664

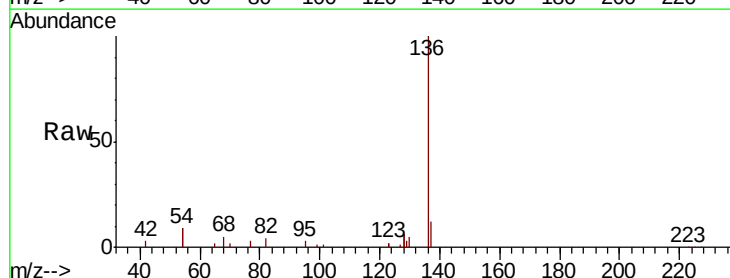
Ion Ratio Lower Upper

136 100

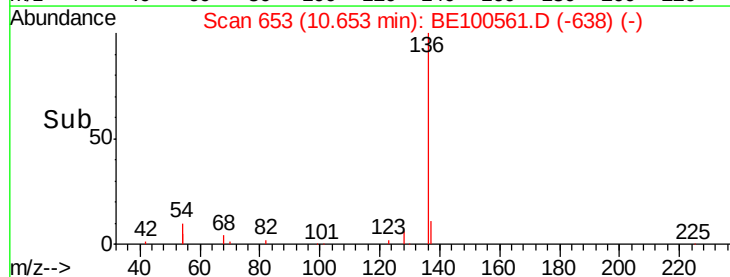
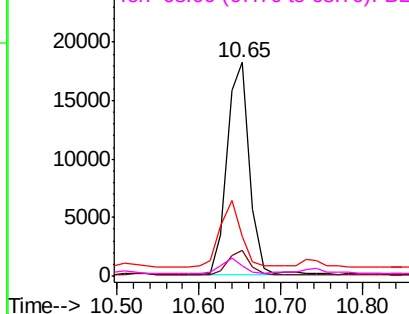
137 11.7 8.6 13.0

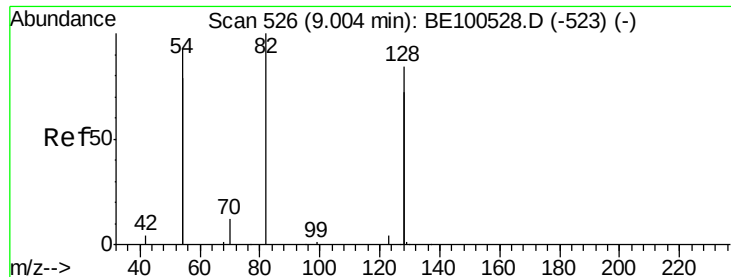
54 18.9 12.4 18.6#

68 4.9 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: 0.321 ng

RT: 9.00 min Scan# 526

Delta R.T. -0.00 min

Lab File: BE100561.D

Acq: 25 Sep 2019 17:52

Instrument :

BNA\_E

ClientSampleId :

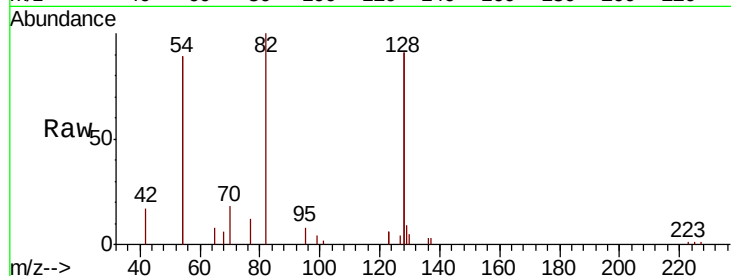
Tot Ion: 82 Resp: 6407

Ion Ratio Lower Upper

82 100

128 181.3 129.4 194.2

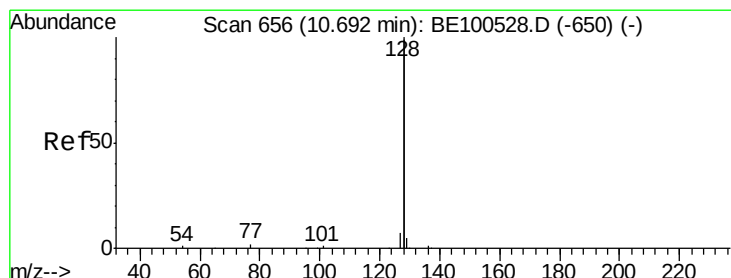
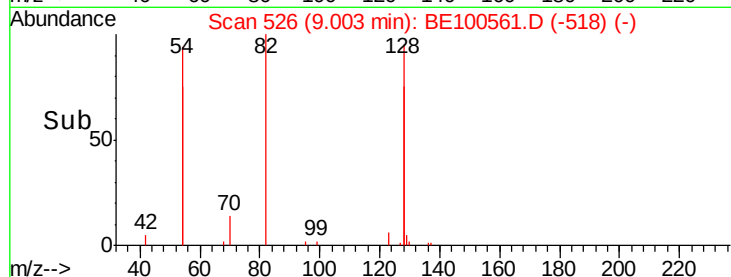
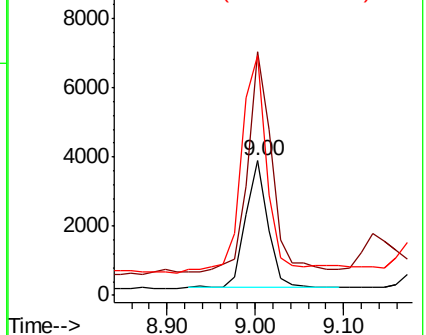
54 178.4 143.3 214.9



Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): BE1

Ion 54.00 (53.70 to 54.70): BE1



#9

Naphthalene

Concen: 1.111 ng

RT: 10.69 min Scan# 656

Delta R.T. -0.00 min

Lab File: BE100561.D

Acq: 25 Sep 2019 17:52

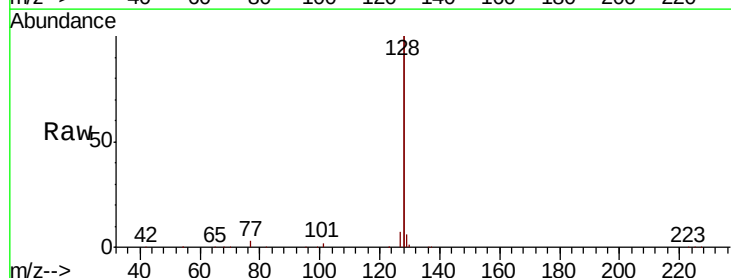
Tgt Ion: 128 Resp: 399117

Ion Ratio Lower Upper

128 100

129 3.0 2.2 3.4

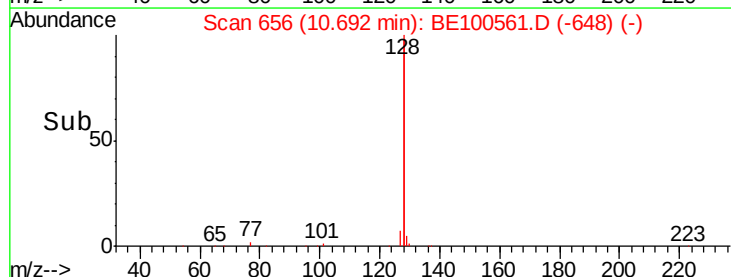
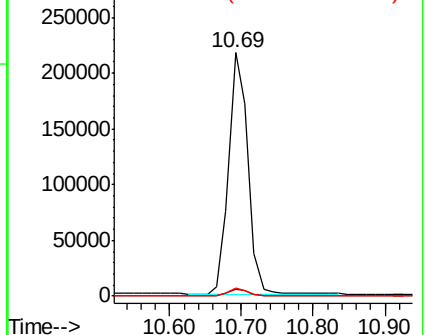
127 3.4 2.7 4.1

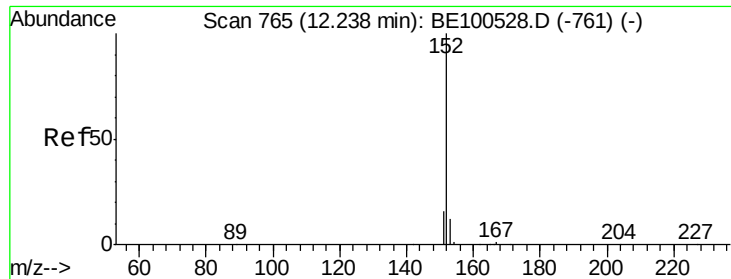


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

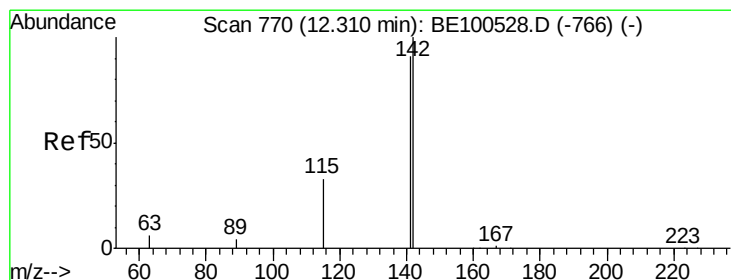
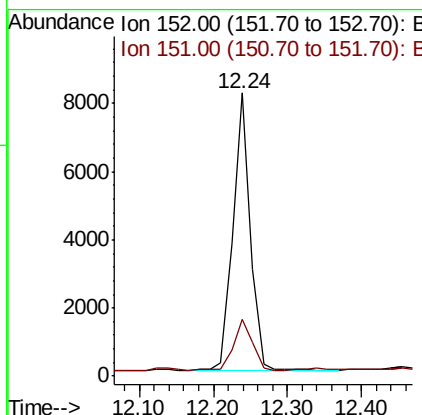
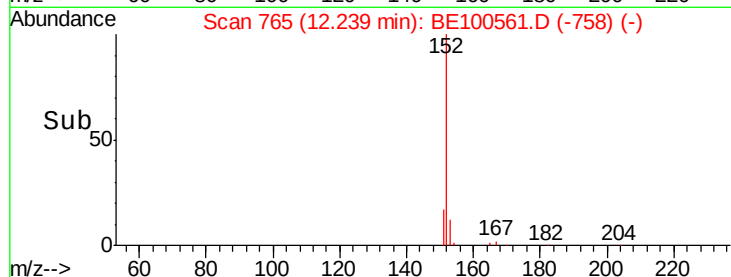
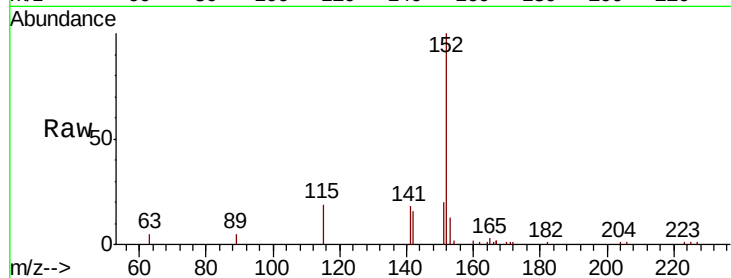




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.256 ng  
 RT: 12.24 min Scan# 765  
 Delta R.T. 0.00 min  
 Lab File: BE100561.D  
 Acq: 25 Sep 2019 17:52

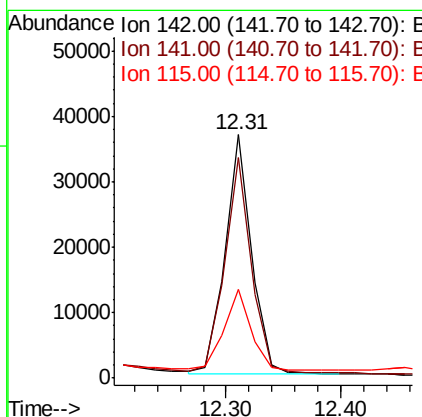
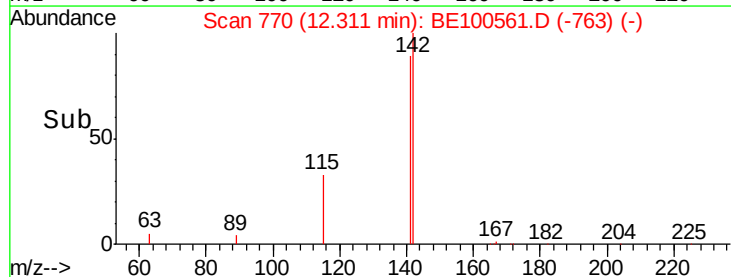
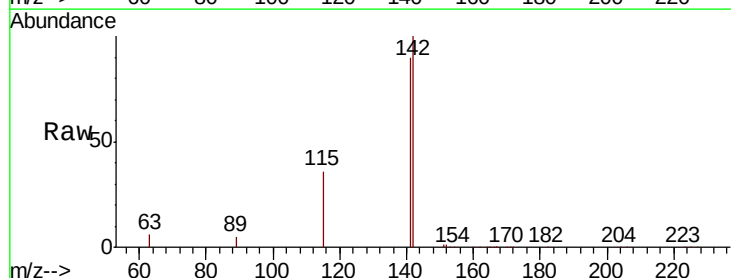
Instrument :  
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 ClientSampleId :

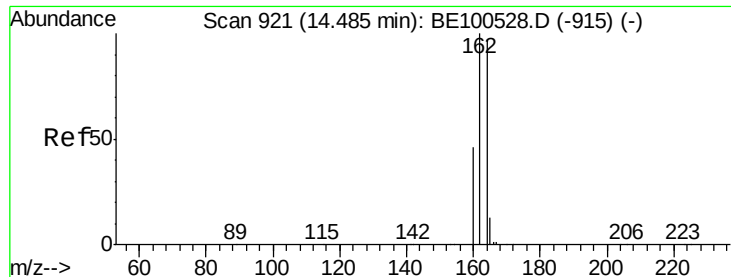
Tot Ion:152 Resp: 13269  
 Ion Ratio Lower Upper  
 152 100  
 151 20.8 15.3 22.9



#12  
 2-Methylnaphthalene  
 Concen: 1.018 ng  
 RT: 12.31 min Scan# 770  
 Delta R.T. 0.00 min  
 Lab File: BE100561.D  
 Acq: 25 Sep 2019 17:52

Tgt Ion:142 Resp: 58189  
 Ion Ratio Lower Upper  
 142 100  
 141 90.3 72.5 108.7  
 115 36.3 27.2 40.8

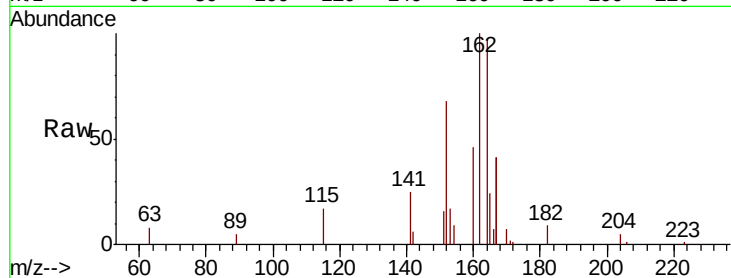




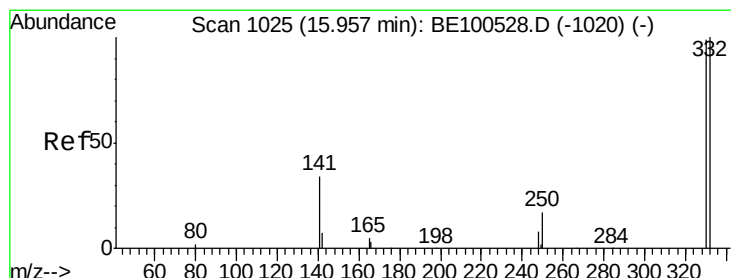
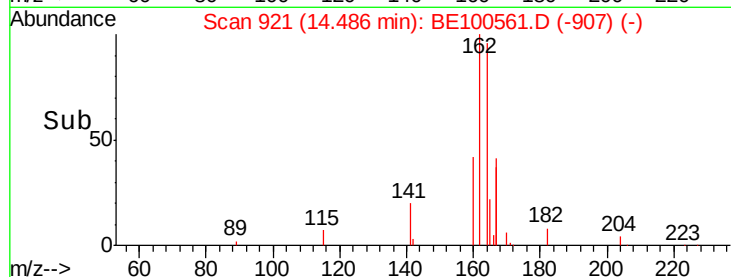
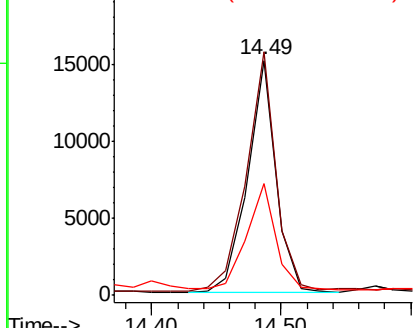
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.49 min Scan# 921  
Delta R.T. 0.00 min  
Lab File: BE100561.D  
Acq: 25 Sep 2019 17:52

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:164 Resp: 22966  
Ion Ratio Lower Upper  
164 100  
162 103.5 82.1 123.1  
160 47.6 37.6 56.4

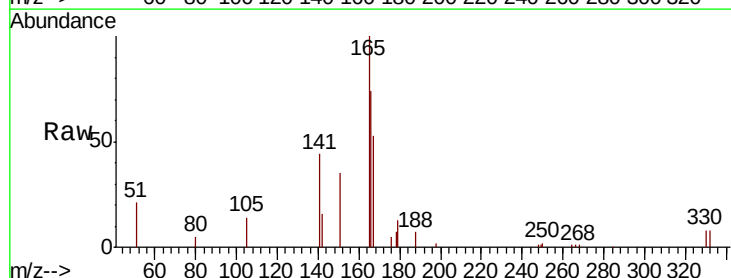


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

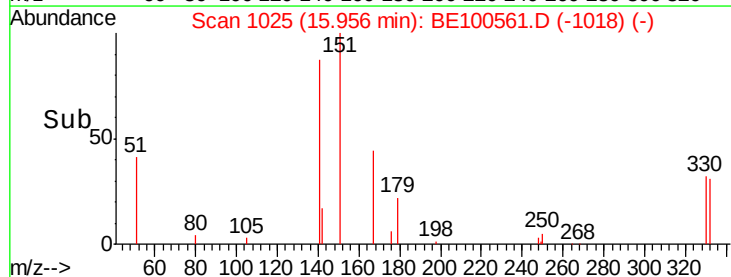
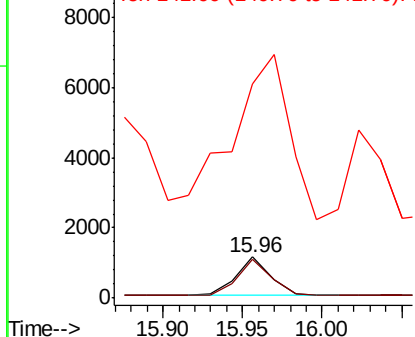


#14  
2,4,6-Tribromophenol  
Concen: 0.426 ng  
RT: 15.96 min Scan# 1025  
Delta R.T. -0.00 min  
Lab File: BE100561.D  
Acq: 25 Sep 2019 17:52

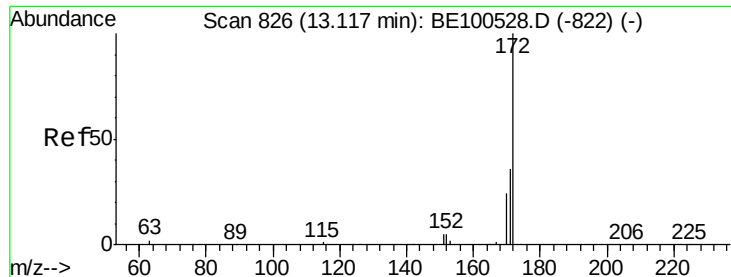
Tgt Ion:330 Resp: 1584  
Ion Ratio Lower Upper  
330 100  
332 99.7 75.5 113.3  
141 759.4 42.3 63.5#



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



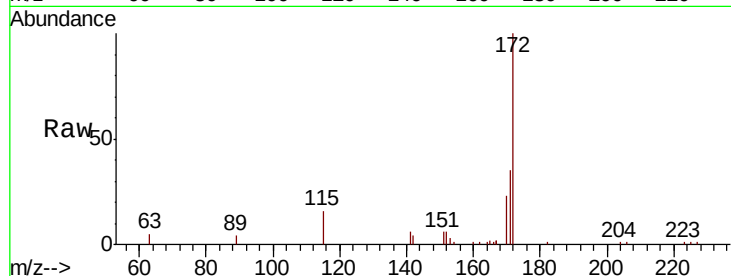




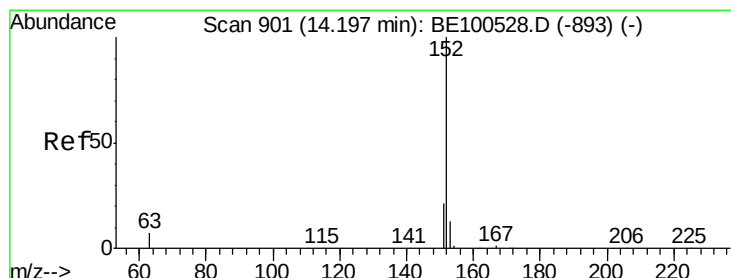
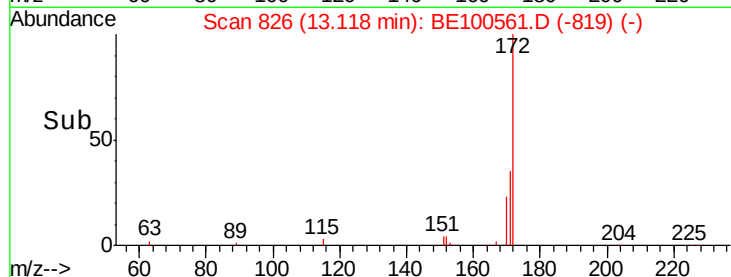
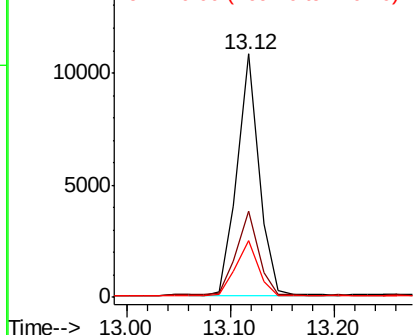
#15  
2-Fluorobiphenyl  
Concen: 0.193 ng  
RT: 13.12 min Scan# 826  
Delta R.T. 0.00 min  
Lab File: BE100561.D  
Acq: 25 Sep 2019 17:52

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:172 Resp: 15809  
Ion Ratio Lower Upper  
172 100  
171 35.3 28.8 43.2  
170 23.3 19.4 29.0

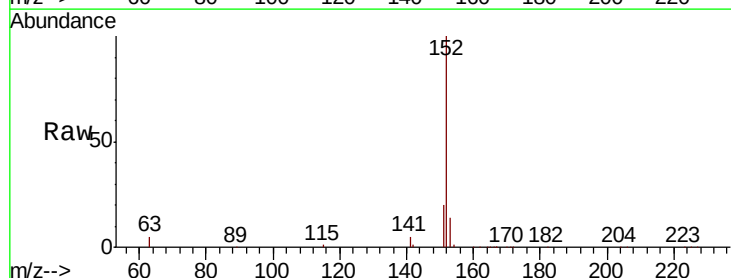


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

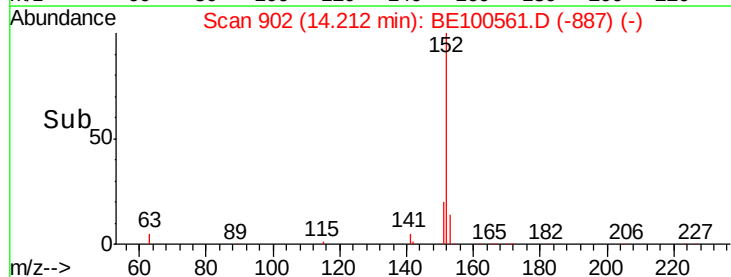
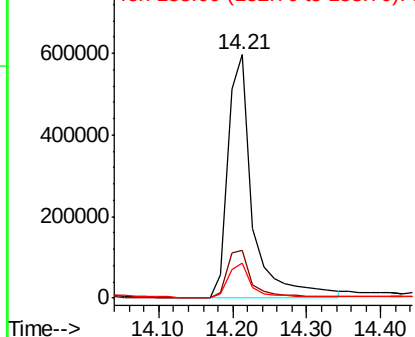


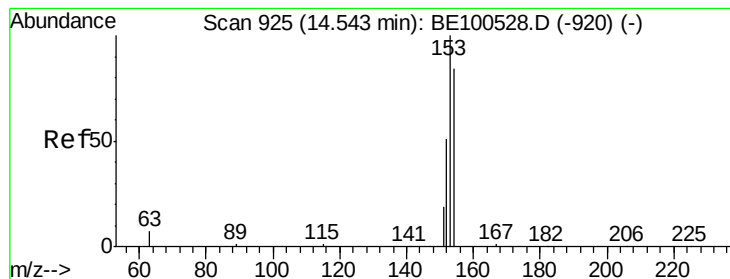
#16  
Acenaphthylene  
Concen: 14.607 ng  
RT: 14.21 min Scan# 902  
Delta R.T. 0.02 min  
Lab File: BE100561.D  
Acq: 25 Sep 2019 17:52

Tgt Ion:152 Resp: 1381230  
Ion Ratio Lower Upper  
152 100  
151 20.3 15.9 23.9  
153 13.5 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E  
Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 1.081 ng

RT: 14.54 min Scan# 925

Delta R.T. 0.00 min

Lab File: BE100561.D

Acq: 25 Sep 2019 17:52

Instrument :

BNA\_E

ClientSampleId :

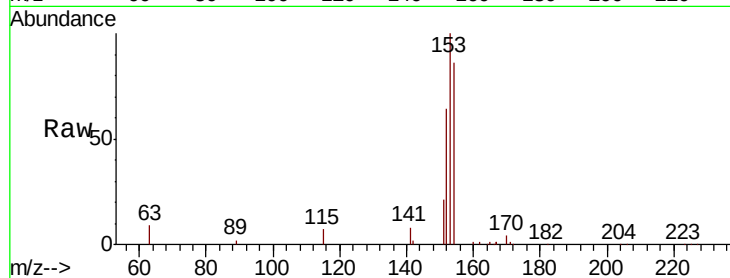
Tot Ion:154 Resp: 69060

Ion Ratio Lower Upper

154 100

153 110.4 93.7 140.5

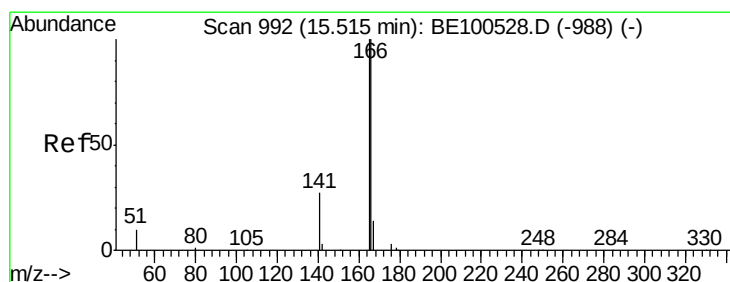
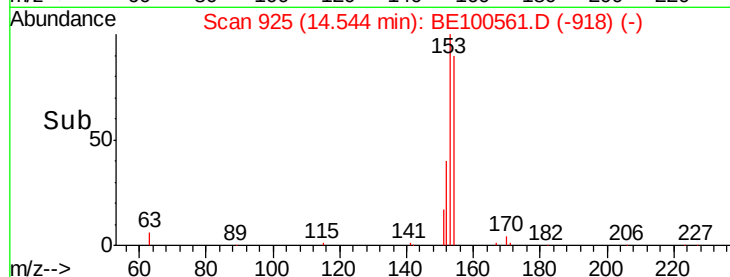
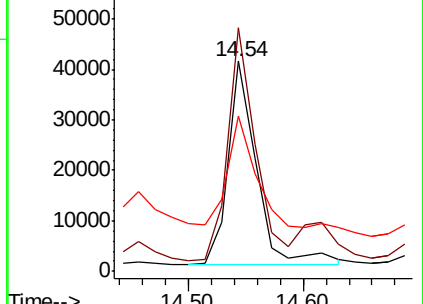
152 53.9 47.3 70.9



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: 3.367 ng

RT: 15.51 min Scan# 992

Delta R.T. -0.00 min

Lab File: BE100561.D

Acq: 25 Sep 2019 17:52

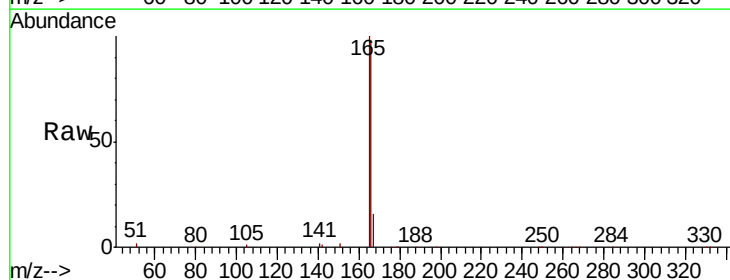
Tgt Ion:166 Resp: 268957

Ion Ratio Lower Upper

166 100

165 111.1 80.1 120.1

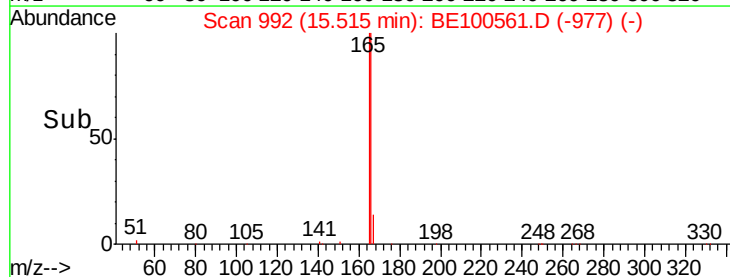
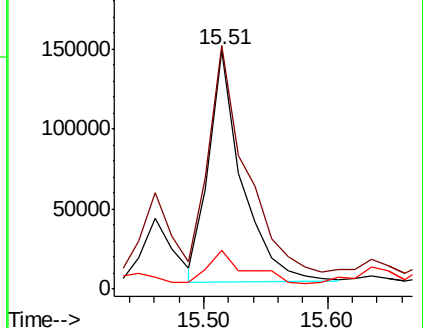
167 16.7 10.9 16.3#

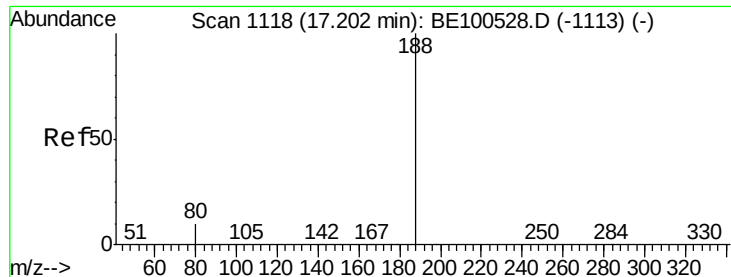


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.20 min Scan# 1118

Delta R.T. -0.00 min

Lab File: BE100561.D

Acq: 25 Sep 2019 17:52

Instrument :

BNA\_E

ClientSampleId :

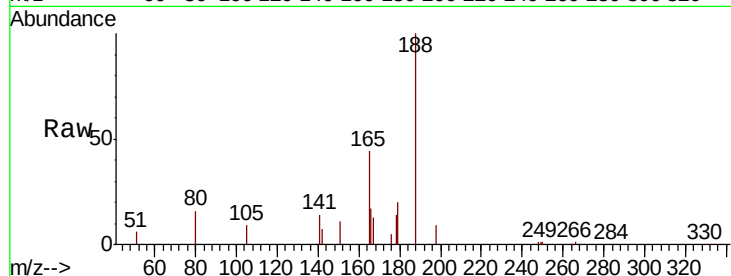
Tot Ion:188 Resp: 46289

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

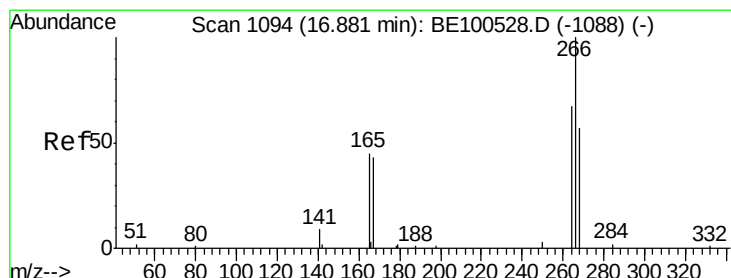
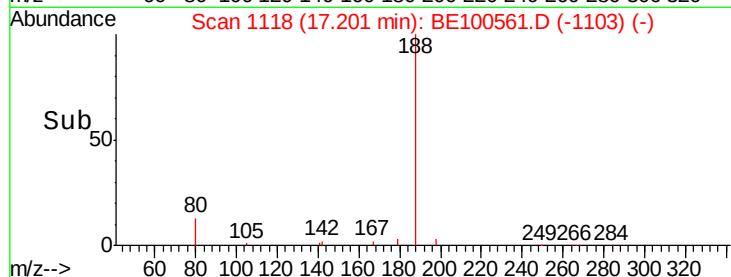
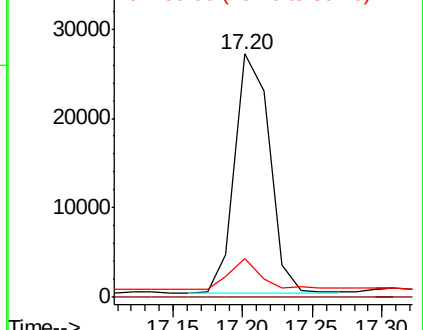
80 15.9 8.0 12.0#



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



#22

Pentachlorophenol

Concen: 0.314 ng

RT: 16.87 min Scan# 1093

Delta R.T. -0.01 min

Lab File: BE100561.D

Acq: 25 Sep 2019 17:52

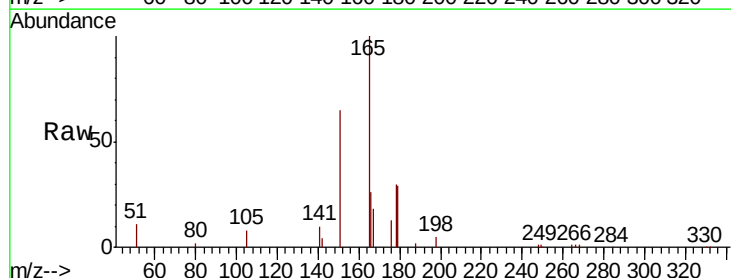
Tgt Ion:266 Resp: 626

Ion Ratio Lower Upper

266 100

264 77.7 57.6 86.4

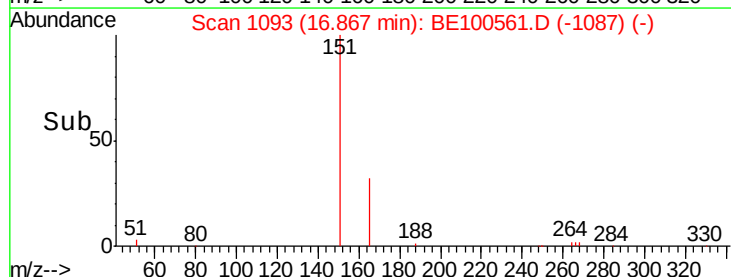
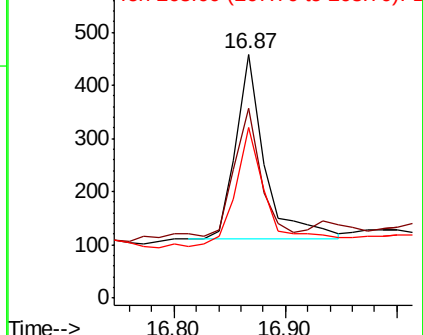
268 70.1 55.1 82.7

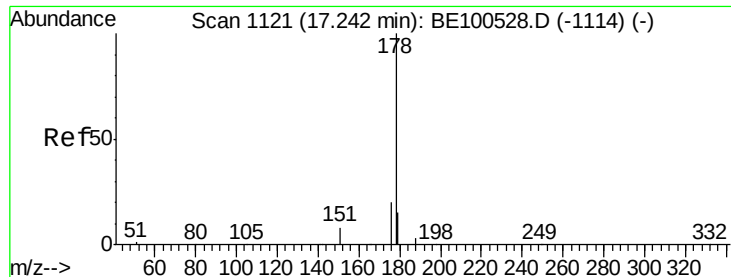


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 39.027 ng

RT: 17.25 min Scan# 1122

Delta R.T. 0.01 min

Lab File: BE100561.D

Acq: 25 Sep 2019 17:52

Instrument :

BNA\_E

ClientSampleId :

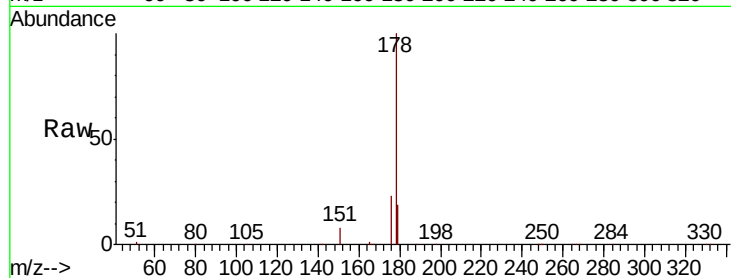
Tot Ion:178 Resp: 5033715

Ion Ratio Lower Upper

178 100

176 22.5 15.4 23.2

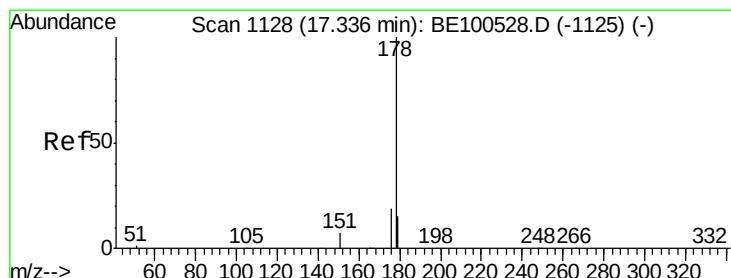
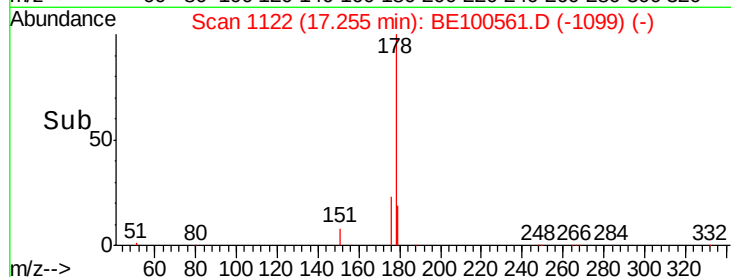
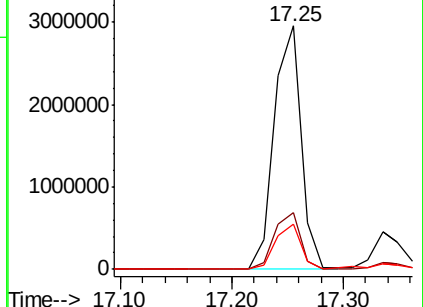
179 18.0 12.6 18.8



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: 8.980 ng

RT: 17.34 min Scan# 1128

Delta R.T. -0.00 min

Lab File: BE100561.D

Acq: 25 Sep 2019 17:52

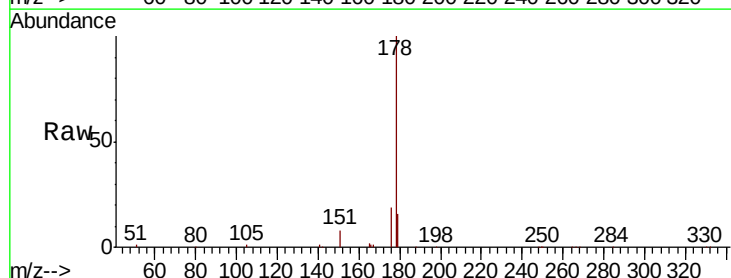
Tgt Ion:178 Resp: 974924

Ion Ratio Lower Upper

178 100

176 18.8 15.2 22.8

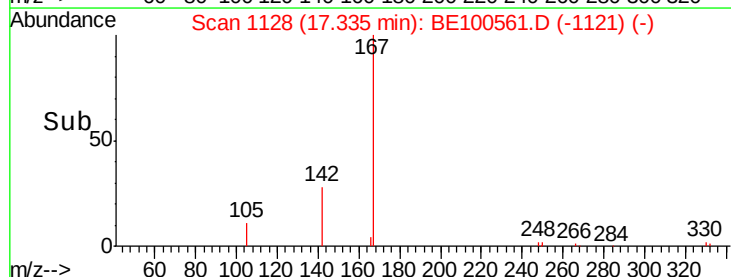
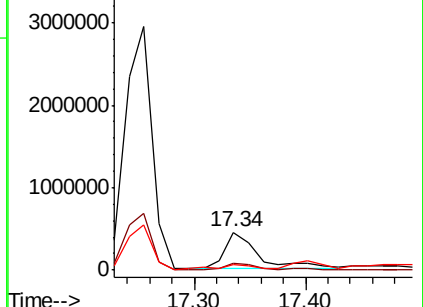
179 10.1 12.2 18.4#

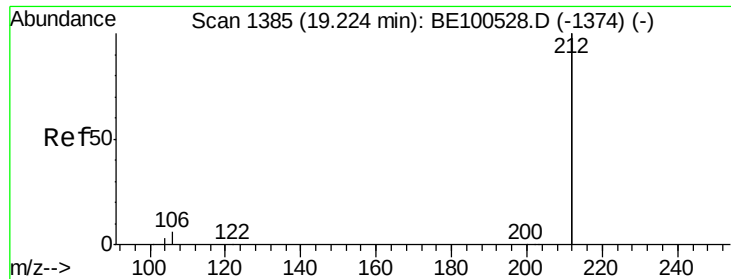


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.219 ng

RT: 19.24 min Scan# 1387

Delta R.T. 0.01 min

Lab File: BE100561.D

Acq: 25 Sep 2019 17:52

Instrument :

BNA\_E

ClientSampleId :

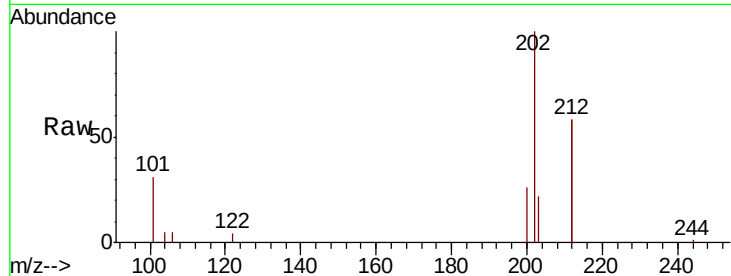
Tot Ion:212 Resp: 120586

Ion Ratio Lower Upper

212 100

106 4.5 2.3 3.5#

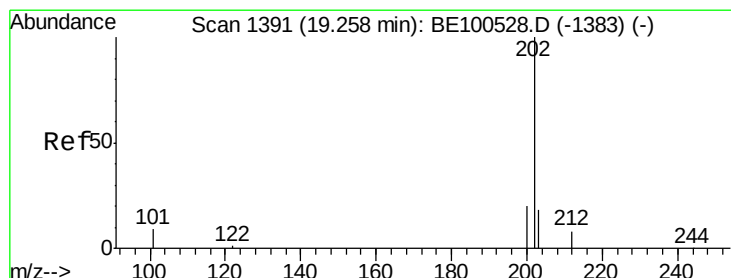
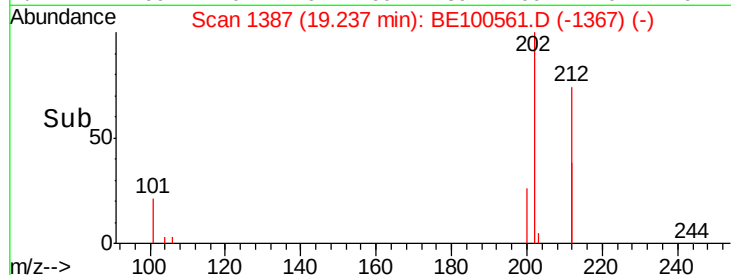
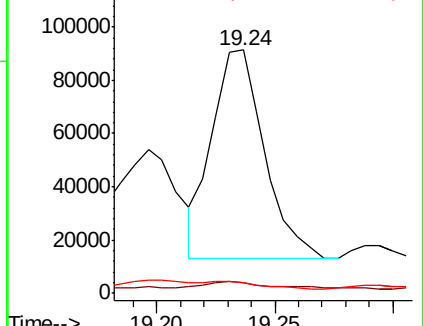
104 0.0 1.3 1.9#



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: 3.714 ng

RT: 19.41 min Scan# 1418

Delta R.T. 0.16 min

Lab File: BE100561.D

Acq: 25 Sep 2019 17:52

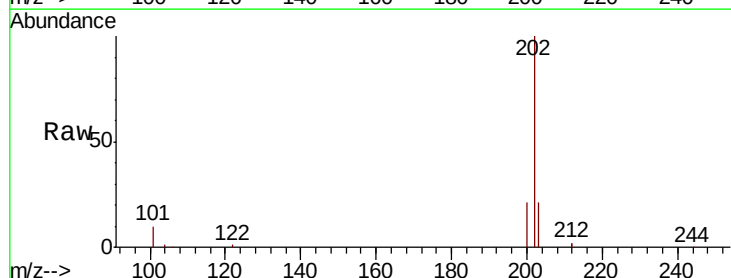
Tgt Ion:202 Resp: 577609

Ion Ratio Lower Upper

202 100

101 9.5 8.8 13.2

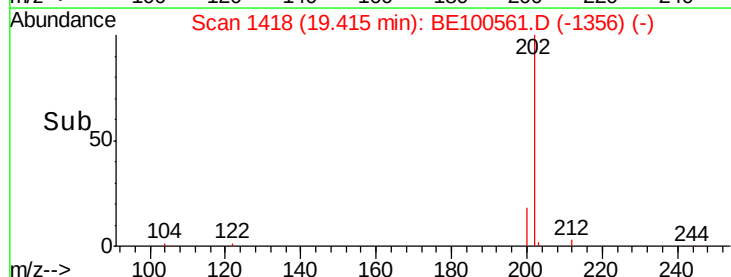
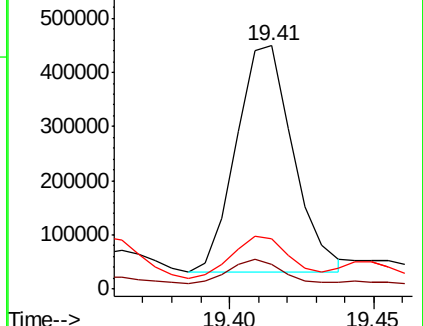
203 18.3 13.7 20.5

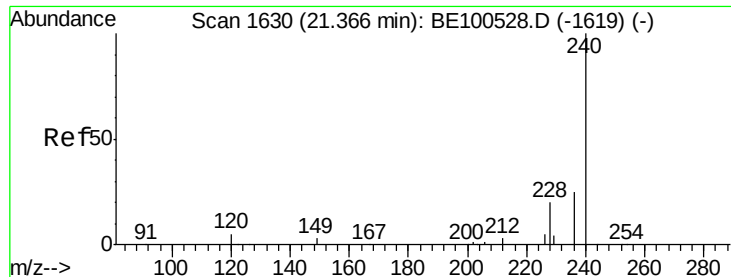


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.38 min Scan# 1631

Delta R.T. 0.01 min

Lab File: BE100561.D

Acq: 25 Sep 2019 17:52

Instrument :

BNA\_E

ClientSampled :

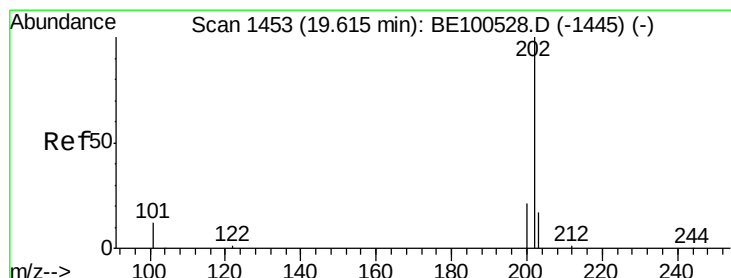
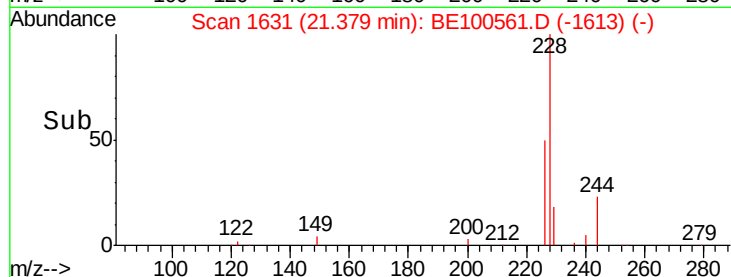
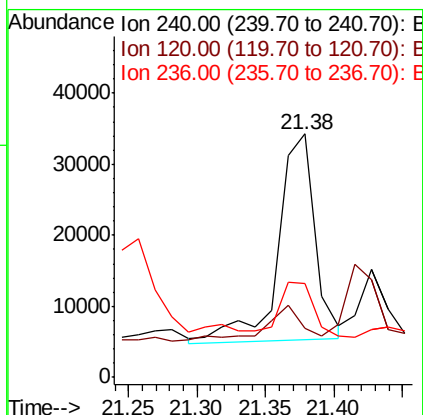
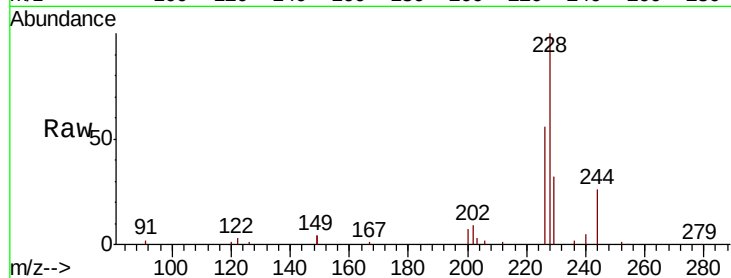
Tot Ion:240 Resp: 55013

Ion Ratio Lower Upper

240 100

120 20.4 4.5 6.7#

236 38.5 20.6 30.8#



#28

Pyrene

Concen: 50.716 ng

RT: 19.63 min Scan# 1455

Delta R.T. 0.01 min

Lab File: BE100561.D

Acq: 25 Sep 2019 17:52

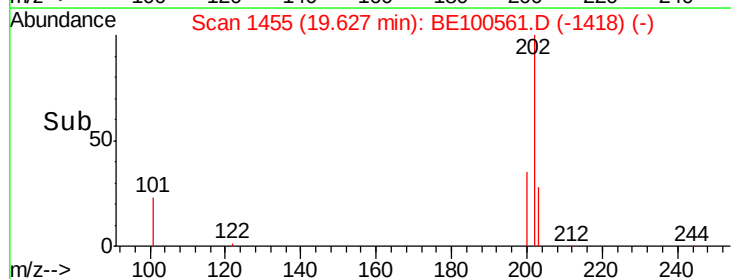
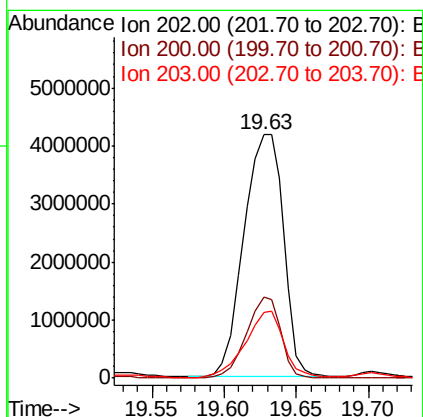
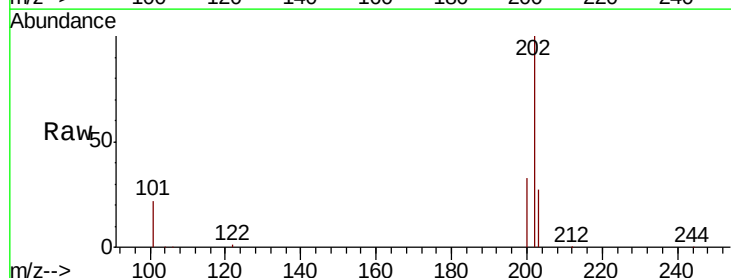
Tgt Ion:202 Resp: 8027839

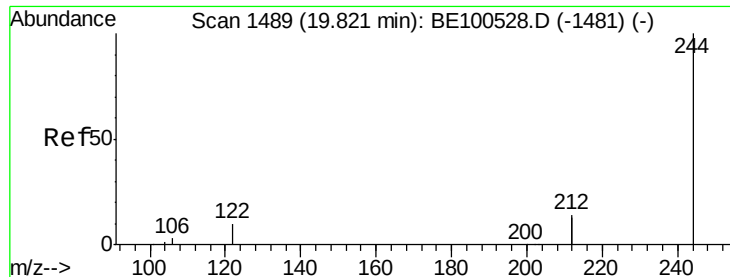
Ion Ratio Lower Upper

202 100

200 28.6 16.6 25.0#

203 26.5 14.0 21.0#





#29

Terphenyl-d14

Concen: 0.245 ng

RT: 19.82 min Scan# 1489

Delta R.T. 0.00 min

Lab File: BE100561.D

Acq: 25 Sep 2019 17:52

Instrument :

BNA\_E

ClientSampleId :

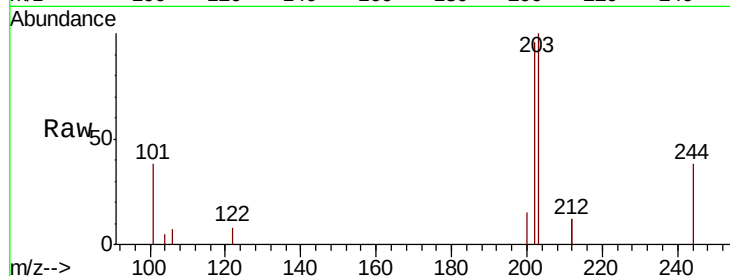
Tot Ion:244 Resp: 31950

Ion Ratio Lower Upper

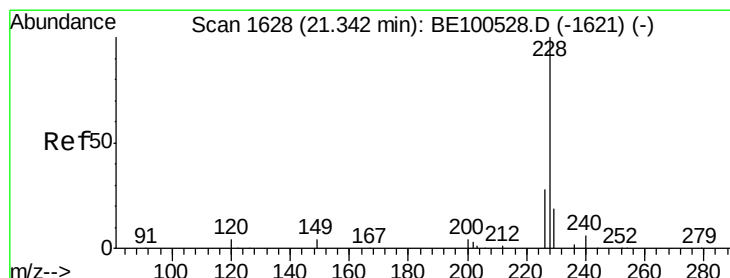
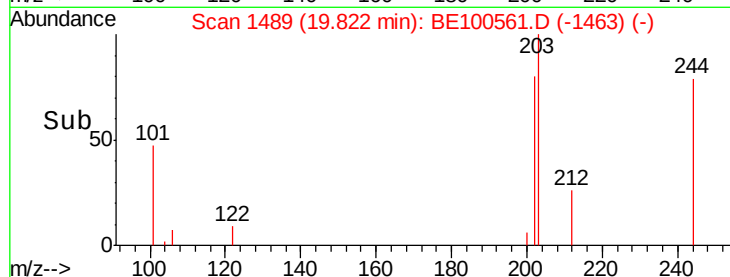
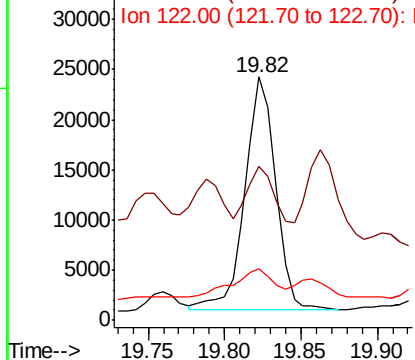
244 100

212 63.3 22.2 33.2#

122 21.2 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: 33.932 ng

RT: 21.35 min Scan# 1629

Delta R.T. 0.01 min

Lab File: BE100561.D

Acq: 25 Sep 2019 17:52

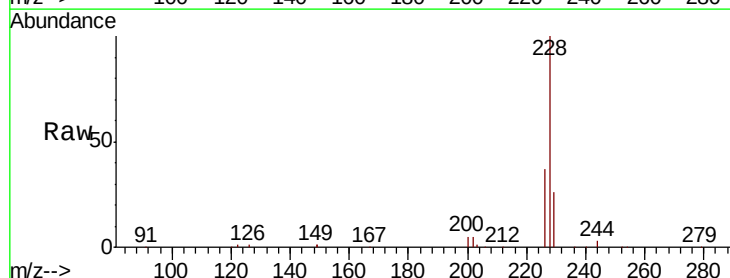
Tgt Ion:228 Resp: 4985664

Ion Ratio Lower Upper

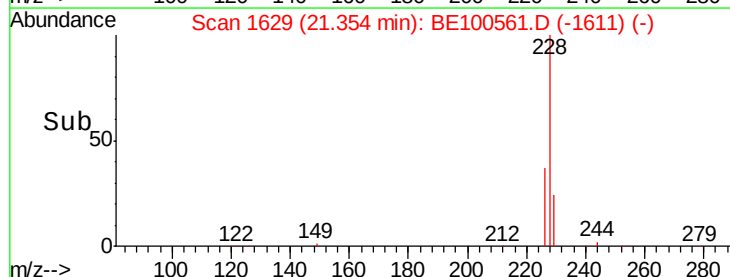
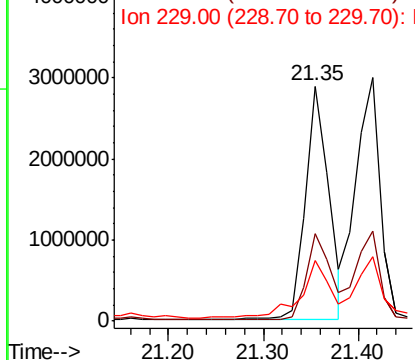
228 100

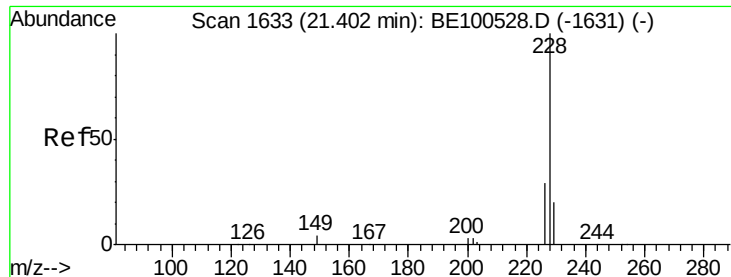
226 37.3 22.5 33.7#

229 25.6 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: 31.152 ng

RT: 21.41 min Scan# 1634

Delta R.T. 0.01 min

Lab File: BE100561.D

Acq: 25 Sep 2019 17:52

Instrument :

BNA\_E

ClientSampleId :

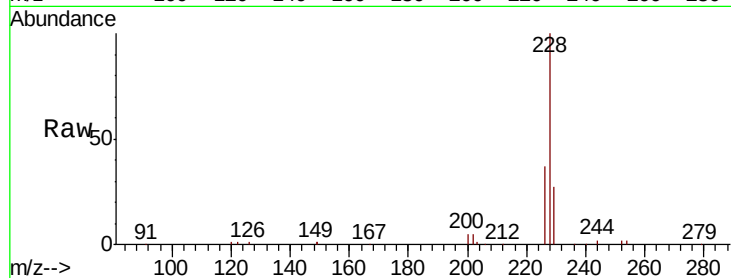
Tot Ion:228 Resp: 5215418

Ion Ratio Lower Upper

228 100

226 36.8 23.3 34.9#

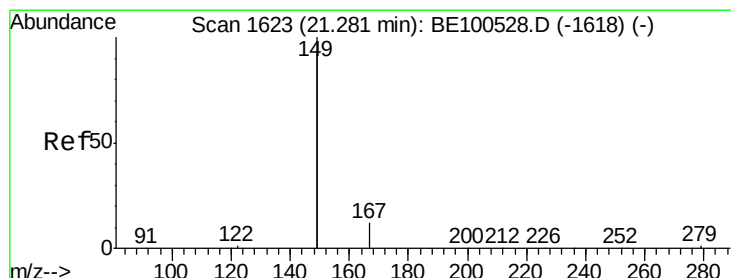
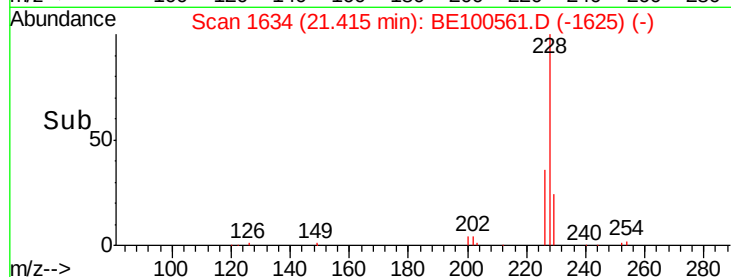
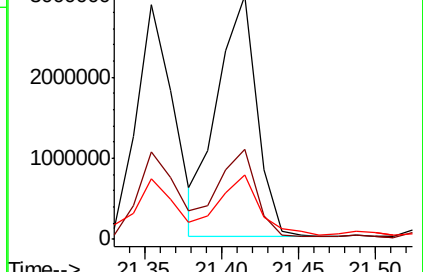
229 26.6 16.3 24.5#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.430 ng

RT: 21.28 min Scan# 1623

Delta R.T. 0.00 min

Lab File: BE100561.D

Acq: 25 Sep 2019 17:52

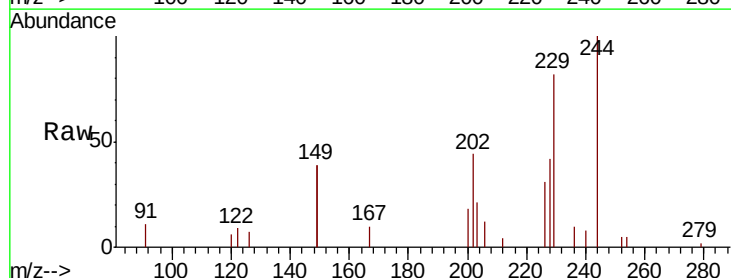
Tgt Ion:149 Resp: 68136

Ion Ratio Lower Upper

149 100

167 8.7 5.2 7.8#

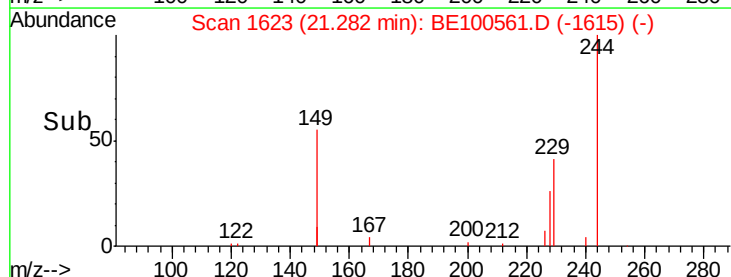
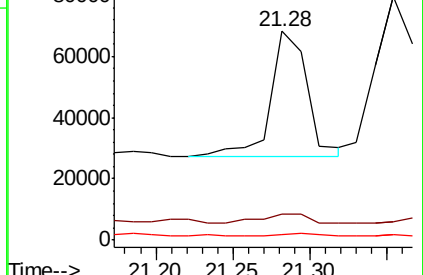
279 1.0 1.0 1.4



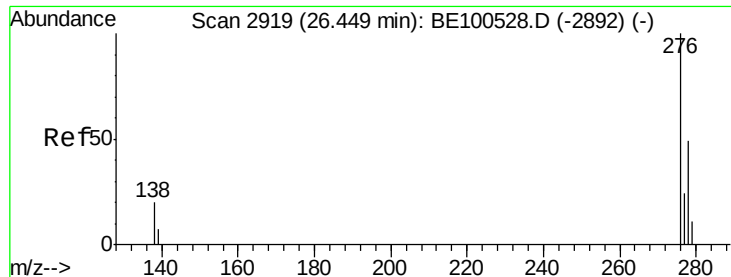
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



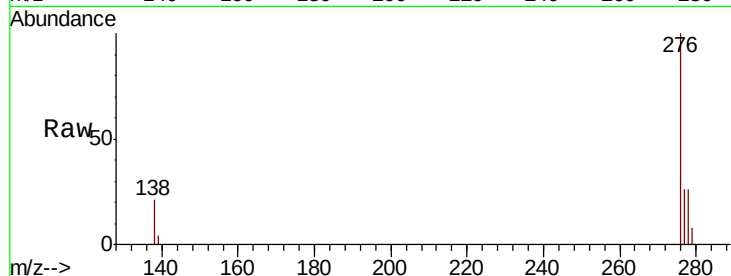




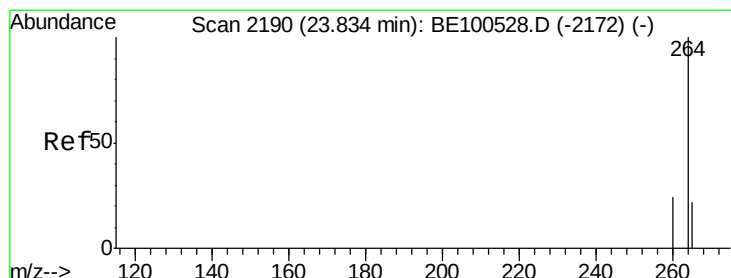
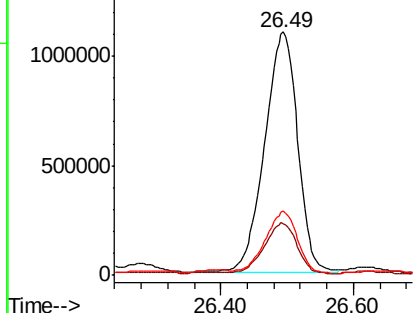
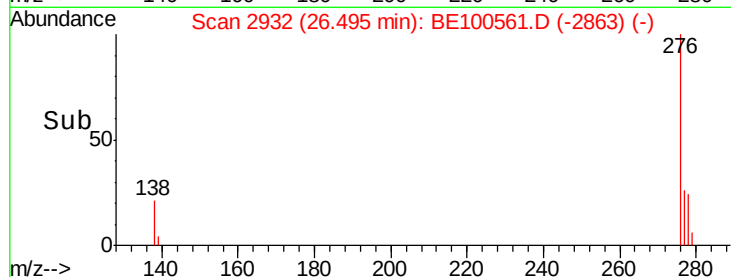
#33  
Indeno(1,2,3-cd)pyrene  
Concen: 20.253 ng  
RT: 26.49 min Scan# 2932  
Delta R.T. 0.05 min  
Lab File: BE100561.D  
Acq: 25 Sep 2019 17:52

Instrument :  
BNA\_E  
ClientSampled :

Tot Ion:276 Resp: 3769640  
Ion Ratio Lower Upper  
276 100  
138 20.5 17.7 26.5  
277 25.1 19.9 29.9

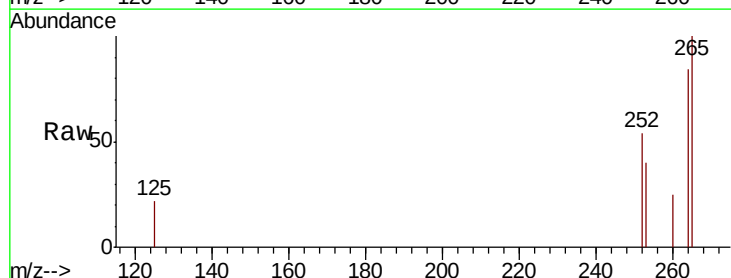


Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E

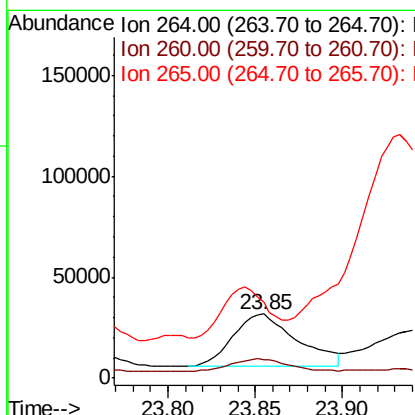
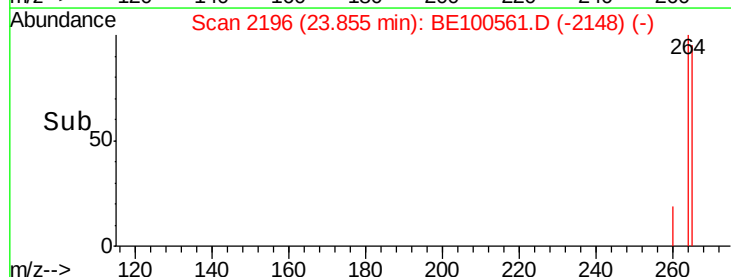


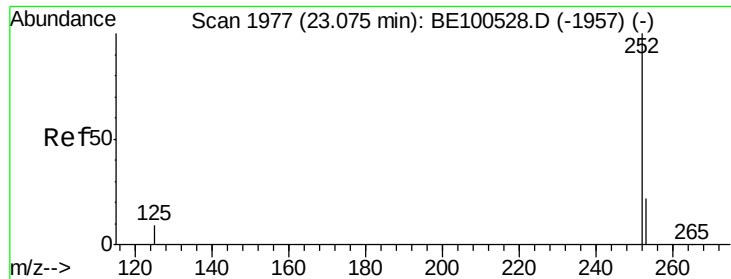
#34  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.85 min Scan# 2196  
Delta R.T. 0.02 min  
Lab File: BE100561.D  
Acq: 25 Sep 2019 17:52

Tgt Ion:264 Resp: 66178  
Ion Ratio Lower Upper  
264 100  
260 29.6 19.6 29.4#  
265 118.6 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: 35.981 ng

RT: 23.11 min Scan# 1986

Delta R.T. 0.03 min

Lab File: BE100561.D

Acq: 25 Sep 2019 17:52

Instrument :

BNA\_E

ClientSampleId :

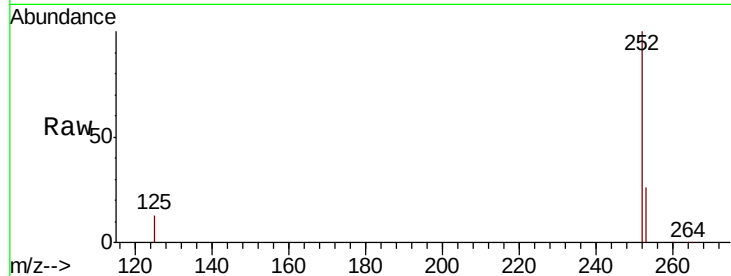
Tot Ion:252 Resp: 6442556

Ion Ratio Lower Upper

252 100

253 25.6 18.1 27.1

125 12.6 8.0 12.0#

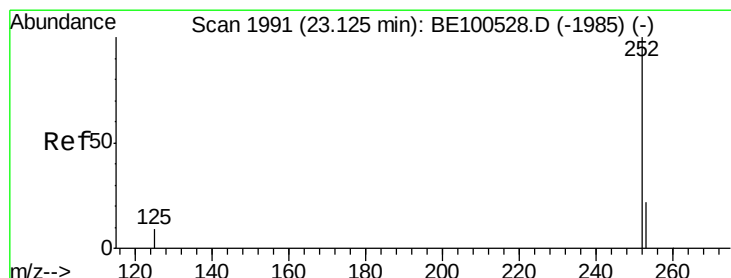
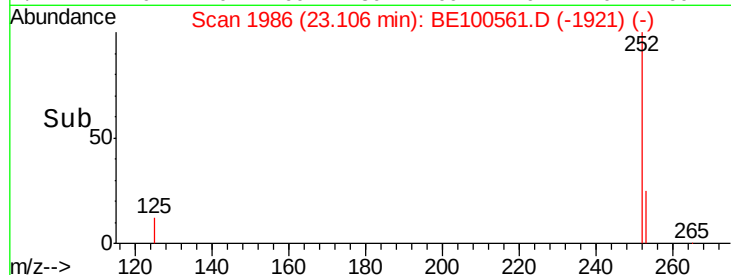
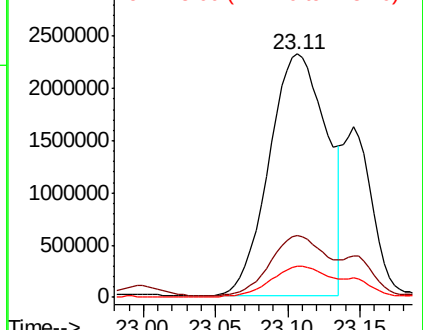


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 31.097 ng

RT: 23.11 min Scan# 1986

Delta R.T. -0.02 min

Lab File: BE100561.D

Acq: 25 Sep 2019 17:52

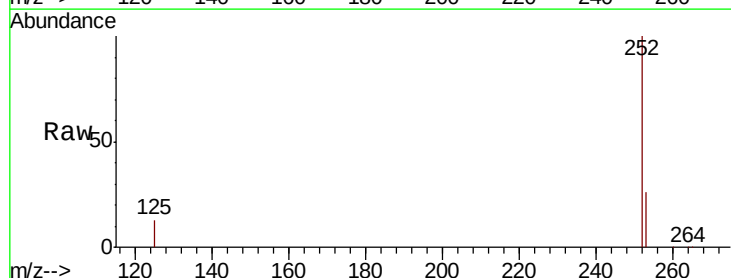
Tgt Ion:252 Resp: 6442556

Ion Ratio Lower Upper

252 100

253 25.6 17.9 26.9

125 12.6 8.5 12.7

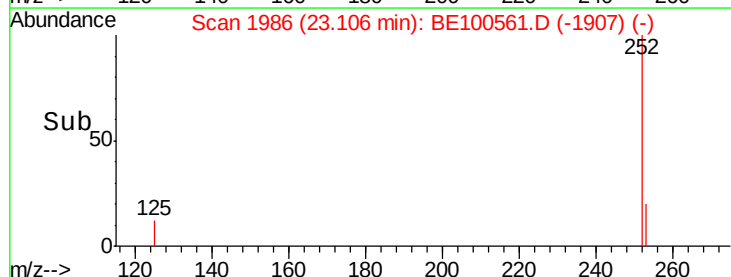
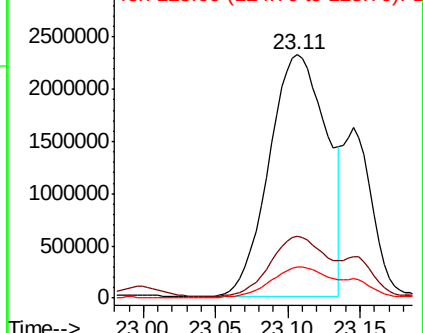


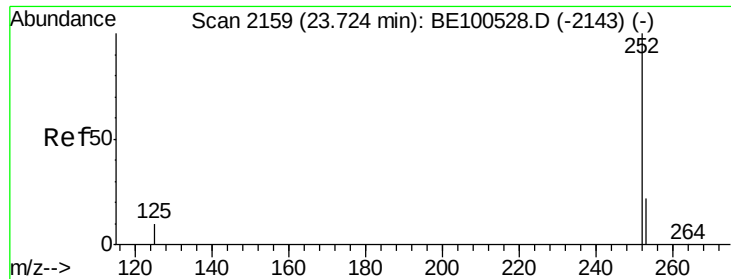
Abundance

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: 29.633 ng

RT: 23.75 min Scan# 2167

Delta R.T. 0.03 min

Lab File: BE100561.D

Acq: 25 Sep 2019 17:52

Instrument :

BNA\_E

ClientSampleId :

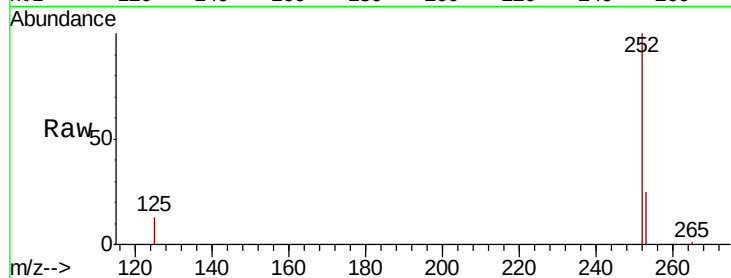
Tot Ion:252 Resp: 4950326

Ion Ratio Lower Upper

252 100

253 25.3 18.1 27.1

125 12.6 9.2 13.8

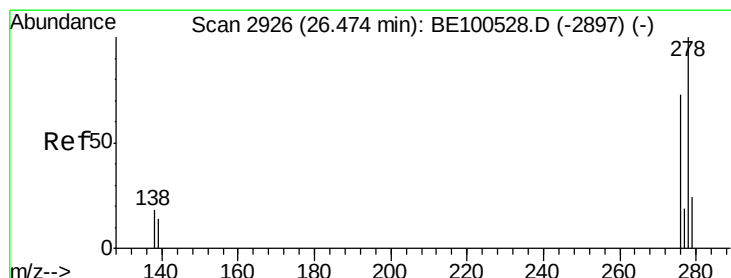
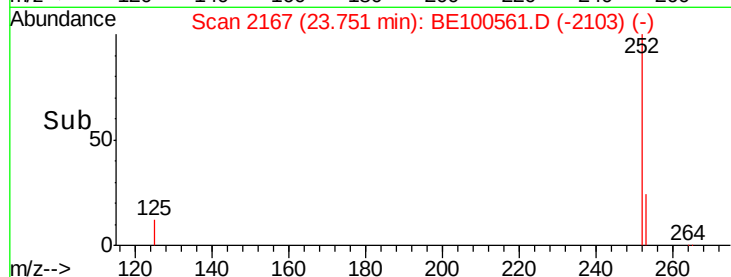
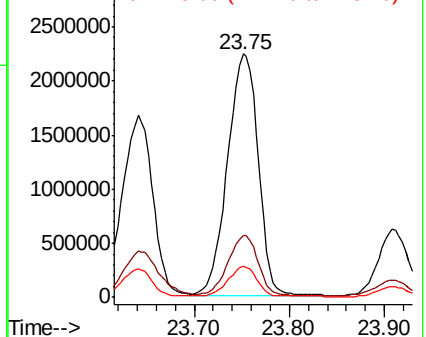


Abundance

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: 5.365 ng

RT: 26.50 min Scan# 2934

Delta R.T. 0.03 min

Lab File: BE100561.D

Acq: 25 Sep 2019 17:52

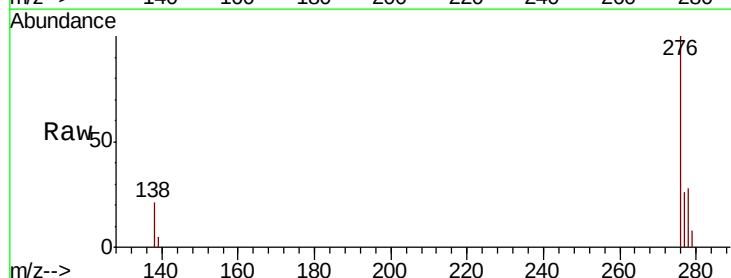
Tgt Ion:278 Resp: 933526

Ion Ratio Lower Upper

278 100

139 17.0 11.6 17.4

279 29.2 19.7 29.5

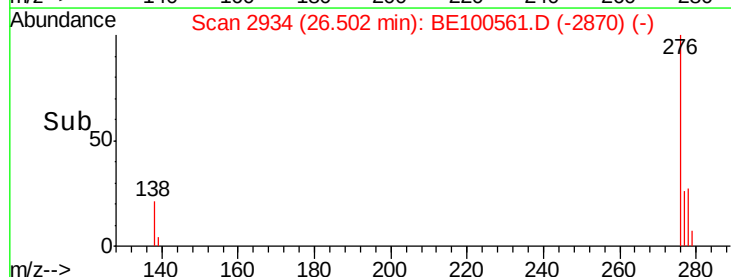
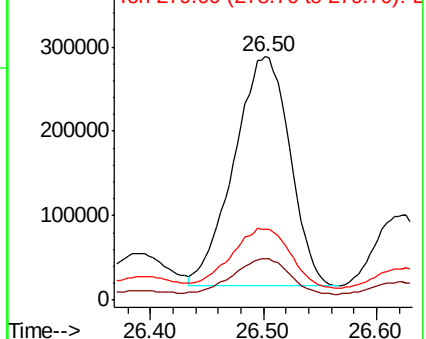


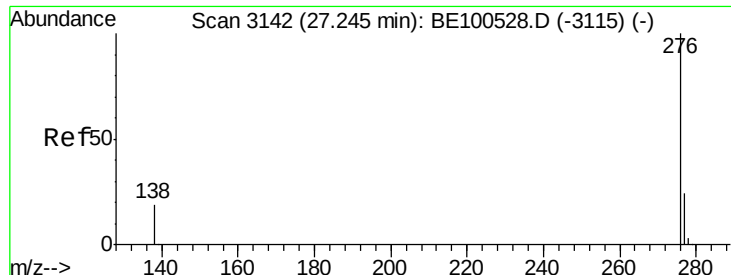
Abundance

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: 21.655 ng

RT: 27.31 min Scan# 3160

Delta R.T. 0.06 min

Lab File: BE100561.D

Acq: 25 Sep 2019 17:52

Instrument :

BNA\_E

ClientSampleId :

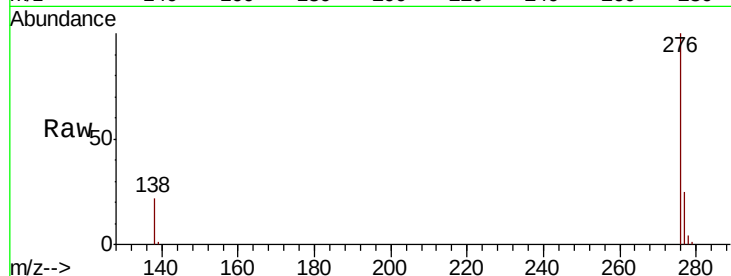
Tot Ion:276 Resp: 3935362

Ion Ratio Lower Upper

276 100

277 25.0 19.2 28.8

138 21.8 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

