

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE061419\  
 Data File : BE100046.D  
 Acq On : 15 Jun 2019 6:11  
 Operator : JU/SJ  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

Quant Time: Jun 15 06:44:29 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE061019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 10 14:57:20 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.78  | 152  | 978      | 0.40 | ng    | -0.01    |
| 7) Naphthalene-d8         | 10.59 | 136  | 3609     | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 14.46 | 164  | 2648     | 0.40 | ng    | -0.01    |
| 19) Phenanthrene-d10      | 17.21 | 188  | 7366     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.40 | 240  | 9796     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.92 | 264  | 10910    | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.36  | 112  | 1084     | 0.41 | ng    | 0.00     |
| 5) Phenol-d6                | 6.96  | 99   | 1420     | 0.42 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.96  | 82   | 1389     | 0.41 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 12.19 | 152  | 2614     | 0.42 | ng    | -0.01    |
| 14) 2,4,6-Tribromophenol    | 15.97 | 330  | 592      | 0.30 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 13.09 | 172  | 4242     | 0.42 | ng    | -0.01    |
| 25) Fluoranthene-d10        | 19.25 | 212  | 39982    | 0.37 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.85 | 244  | 7712     | 0.44 | ng    | 0.00     |

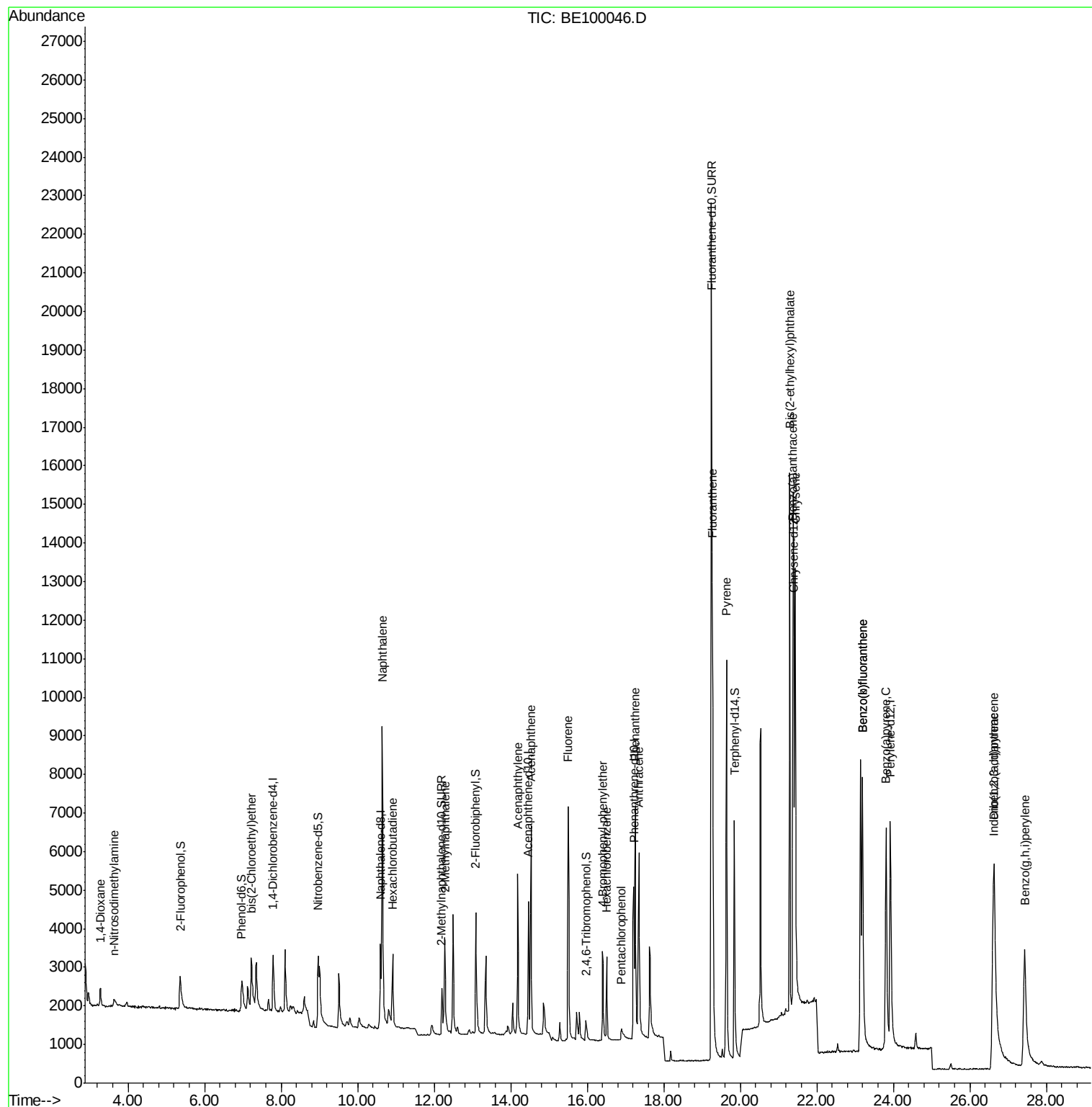
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.28  | 88   | 497      | 0.343 | ng    | 100    |
| 3) n-Nitrosodimethylamine      | 3.64  | 42   | 138      | 0.165 | ng    | # 100  |
| 6) bis(2-Chloroethyl)ether     | 7.22  | 93   | 1041     | 0.375 | ng    | 90     |
| 9) Naphthalene                 | 10.64 | 128  | 16106    | 0.413 | ng    | 99     |
| 10) Hexachlorobutadiene        | 10.91 | 225  | 1347     | 0.453 | ng    | 100    |
| 12) 2-Methylnaphthalene        | 12.28 | 142  | 2600     | 0.411 | ng    | 96     |
| 16) Acenaphthylene             | 14.18 | 152  | 5327     | 0.404 | ng    | 99     |
| 17) Acenaphthene               | 14.53 | 154  | 2886     | 0.402 | ng    | 99     |
| 18) Fluorene                   | 15.50 | 166  | 4295     | 0.399 | ng    | 98     |
| 20) 4-Bromophenyl-phenylether  | 16.40 | 248  | 1895     | 0.454 | ng    | # 87   |
| 21) Hexachlorobenzene          | 16.51 | 284  | 1946     | 0.456 | ng    | 98     |
| 22) Pentachlorophenol          | 16.89 | 266  | 484      | 0.536 | ng    | 92     |
| 23) Phenanthrene               | 17.26 | 178  | 7536     | 0.422 | ng    | 99     |
| 24) Anthracene                 | 17.35 | 178  | 6681     | 0.408 | ng    | 99     |
| 26) Fluoranthene               | 19.28 | 202  | 11660    | 0.384 | ng    | 99     |
| 28) Pyrene                     | 19.64 | 202  | 12134    | 0.471 | ng    | 100    |
| 30) Benzo(a)anthracene         | 21.38 | 228  | 13146    | 0.449 | ng    | 100    |
| 31) Chrysene                   | 21.44 | 228  | 12989    | 0.429 | ng    | 99     |
| 32) Bis(2-ethylhexyl)phthalate | 21.29 | 149  | 16506    | 0.393 | ng    | 100    |
| 33) Indeno(1,2,3-cd)pyrene     | 26.61 | 276  | 13543    | 0.377 | ng    | # 94   |
| 35) Benzo(b)fluoranthene       | 23.20 | 252  | 13478    | 0.441 | ng    | 99     |
| 36) Benzo(k)fluoranthene       | 23.20 | 252  | 13755    | 0.430 | ng    | 99     |
| 37) Benzo(a)pyrene             | 23.81 | 252  | 12489    | 0.415 | ng    | # 96   |
| 38) Dibenzo(a,h)anthracene     | 26.64 | 278  | 10476    | 0.345 | ng    | # 96   |
| 39) Benzo(g,h,i)perylene       | 27.43 | 276  | 11675    | 0.373 | ng    | 98     |

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

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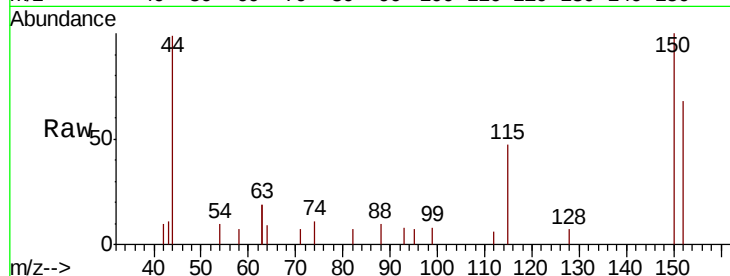


#1

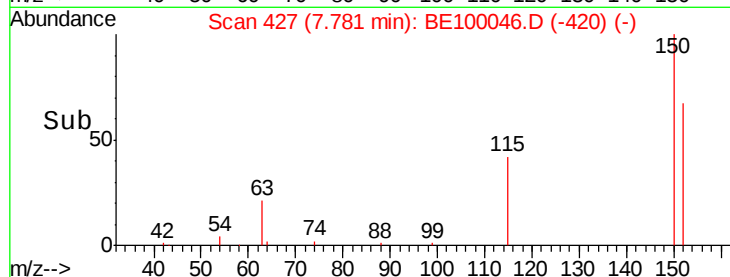
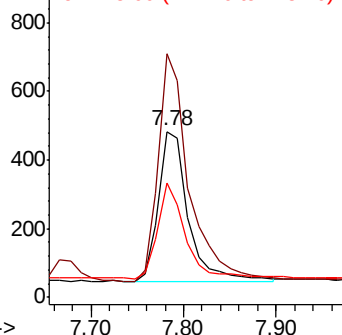
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.78 min Scan# 427  
Delta R.T. -0.01 min  
Lab File: BE100046.D  
Acq: 15 Jun 2019 6:11

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

Tgt Ion: 152 Resp: 978  
Ion Ratio Lower Upper  
152 100  
150 146.8 111.0 166.6  
115 68.7 50.7 76.1



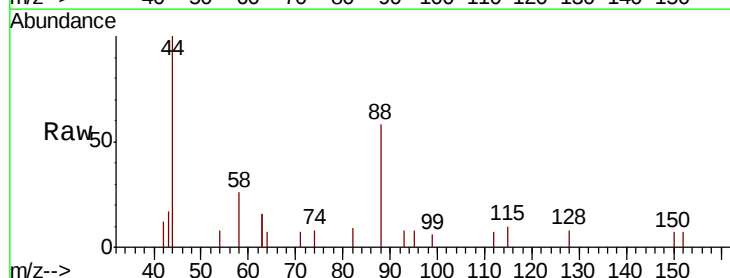
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



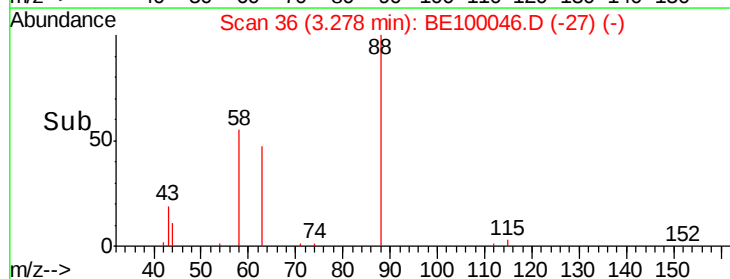
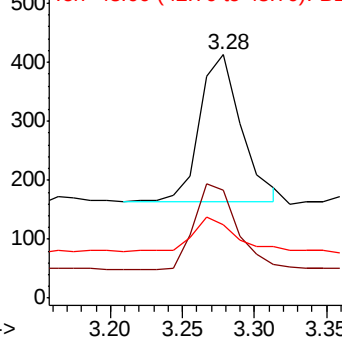
#2

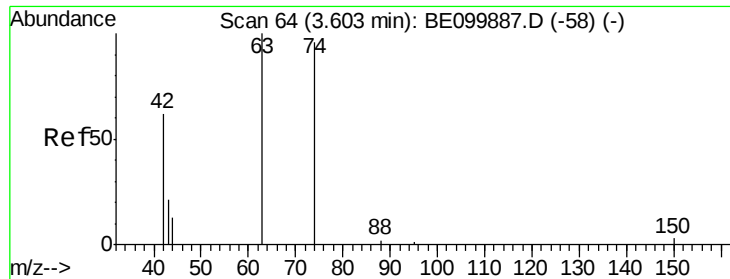
1,4-Dioxane  
Concen: 0.343 ng  
RT: 3.28 min Scan# 36  
Delta R.T. 0.01 min  
Lab File: BE100046.D  
Acq: 15 Jun 2019 6:11

Tgt Ion: 88 Resp: 497  
Ion Ratio Lower Upper  
88 100  
58 61.0 48.8 73.2  
43 23.5 19.0 28.6



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: 0.165 ng

RT: 3.64 min Scan# 67

Delta R.T. 0.03 min

Lab File: BE100046.D

Acq: 15 Jun 2019 6:11

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

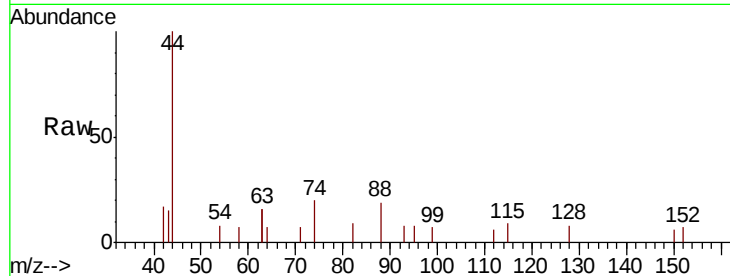
Tgt Ion: 42 Resp: 138

Ion Ratio Lower Upper

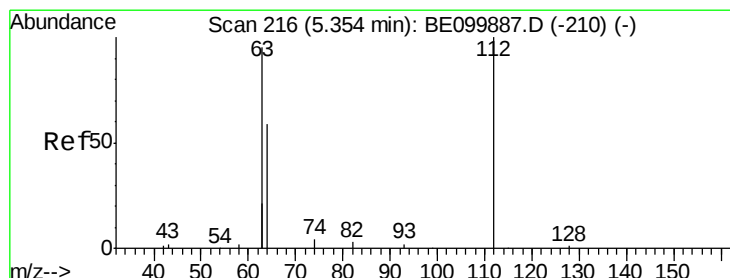
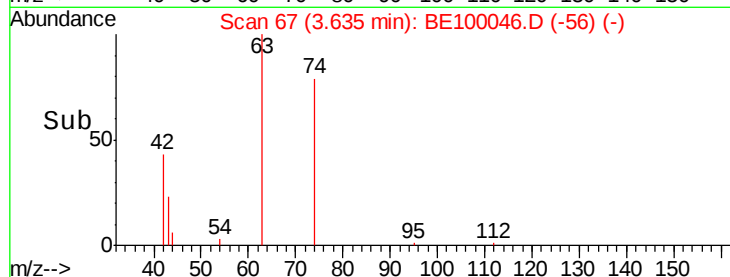
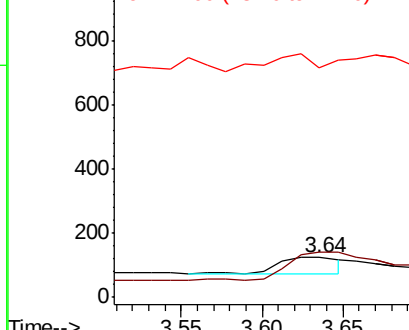
42 100

74 148.6 0.0 0.0#

44 75.4 0.0 0.0#



Abundance Ion 42.00 (41.70 to 42.70): BE1  
Ion 74.00 (73.70 to 74.70): BE1  
Ion 44.00 (43.70 to 44.70): BE1



#4

2-Fluorophenol

Concen: 0.411 ng

RT: 5.36 min Scan# 217

Delta R.T. 0.01 min

Lab File: BE100046.D

Acq: 15 Jun 2019 6:11

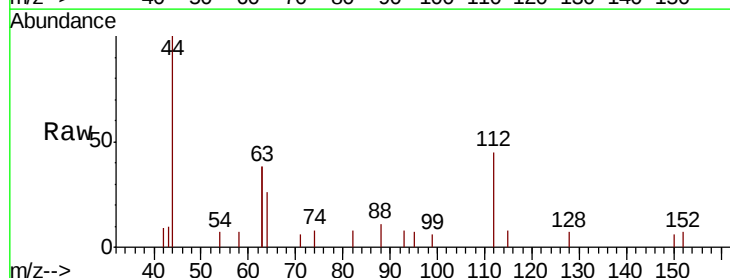
Tgt Ion: 112 Resp: 1084

Ion Ratio Lower Upper

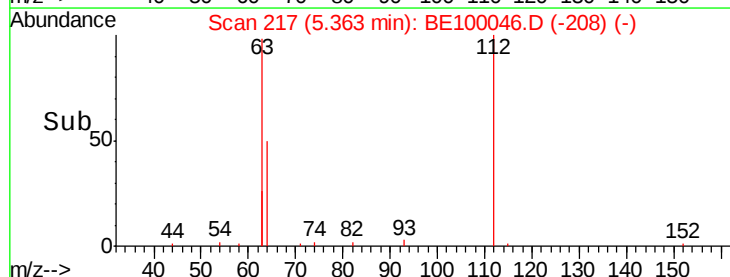
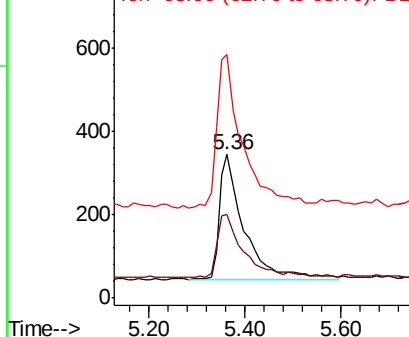
112 100

64 53.2 44.1 66.1

63 129.2 87.8 131.6



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





#5

Phenol-d6

Concen: 0.418 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.00 min

Lab File: BE100046.D

Acq: 15 Jun 2019 6:11

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

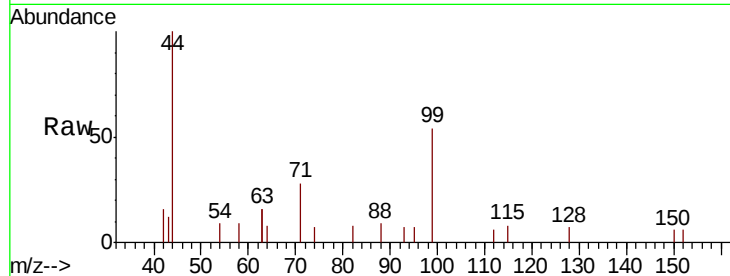
Tgt Ion: 99 Resp: 1420

Ion Ratio Lower Upper

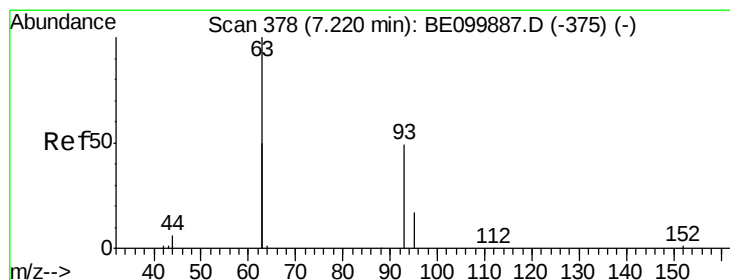
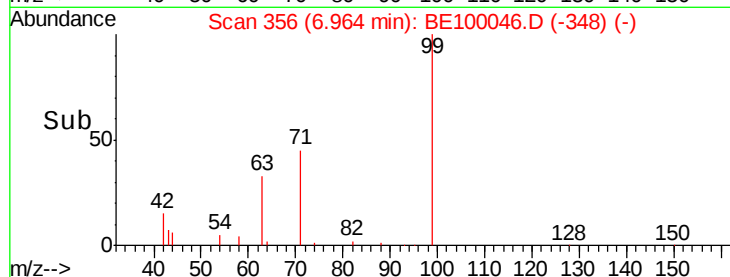
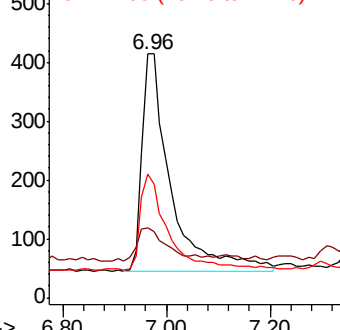
99 100

42 14.6 15.9 23.9#

71 43.1 34.6 52.0



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: 0.375 ng

RT: 7.22 min Scan# 378

Delta R.T. -0.00 min

Lab File: BE100046.D

Acq: 15 Jun 2019 6:11

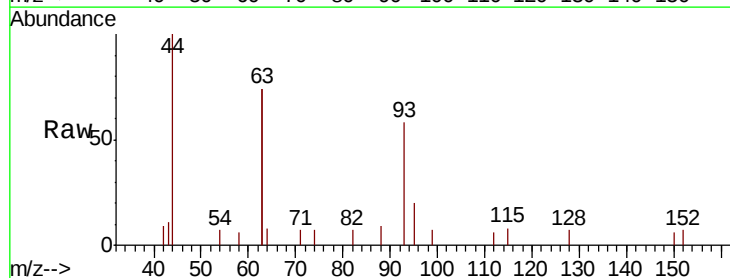
Tgt Ion: 93 Resp: 1041

Ion Ratio Lower Upper

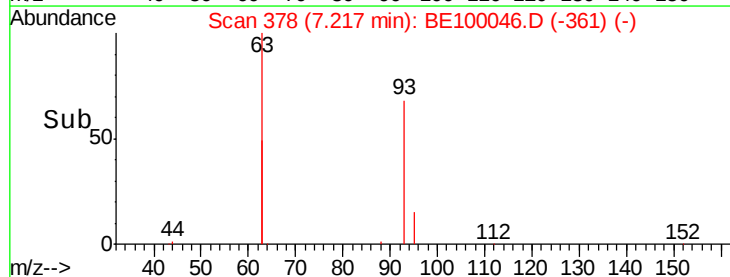
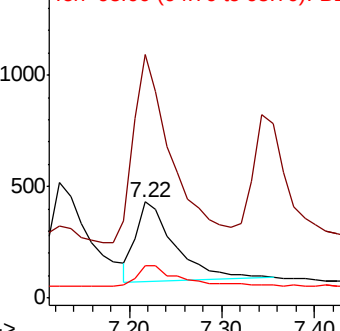
93 100

63 233.2 202.8 304.2

95 30.5 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: 10.59 min Scan# 648

Delta R.T. -0.01 min

Lab File: BE100046.D

Acq: 15 Jun 2019 6:11

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

Tgt Ion: 136 Resp: 3609

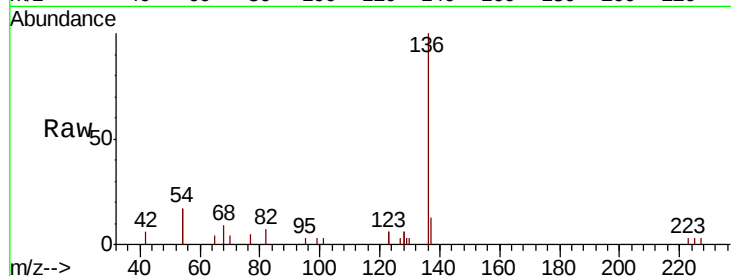
Ion Ratio Lower Upper

136 100

137 13.2 12.3 18.5

54 34.4 28.2 42.4

68 9.1 7.8 11.8

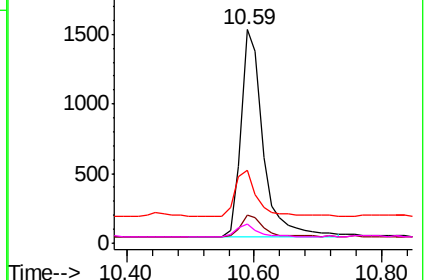
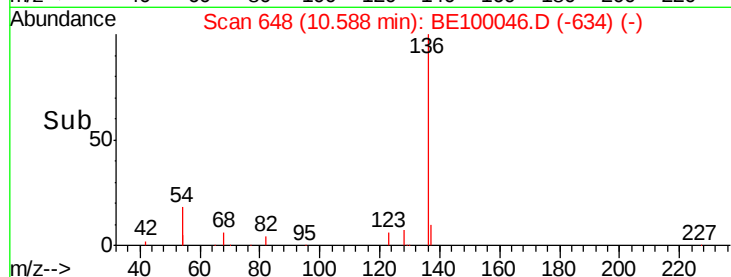


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1



#8

Nitrobenzene-d5

Concen: 0.406 ng

RT: 8.96 min Scan# 523

Delta R.T. 0.00 min

Lab File: BE100046.D

Acq: 15 Jun 2019 6:11

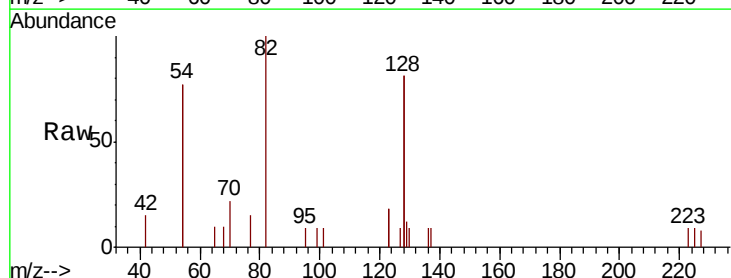
Tgt Ion: 82 Resp: 1389

Ion Ratio Lower Upper

82 100

128 161.9 137.3 205.9

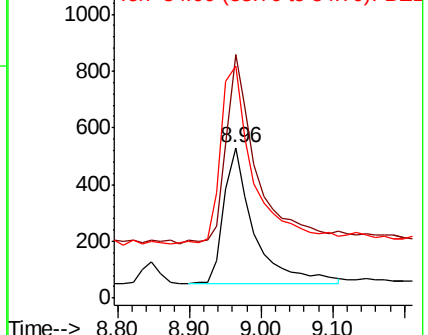
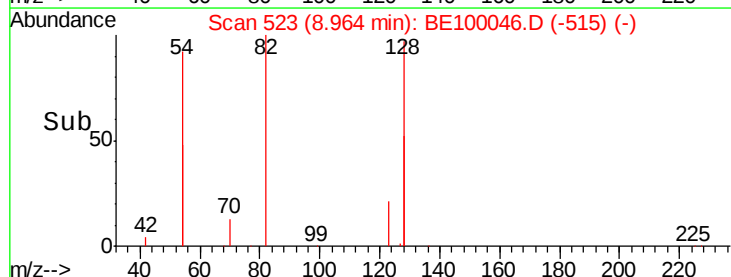
54 154.0 129.7 194.5

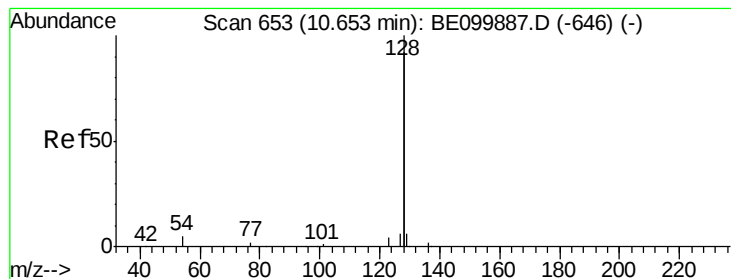


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.413 ng

RT: 10.64 min Scan# 652

Delta R.T. -0.01 min

Lab File: BE100046.D

Acq: 15 Jun 2019 6:11

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

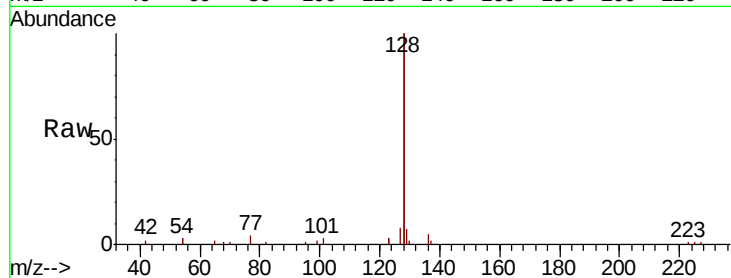
Tgt Ion:128 Resp: 16106

Ion Ratio Lower Upper

128 100

129 3.3 3.0 4.6

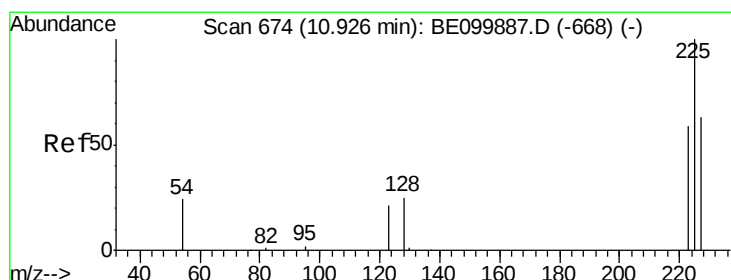
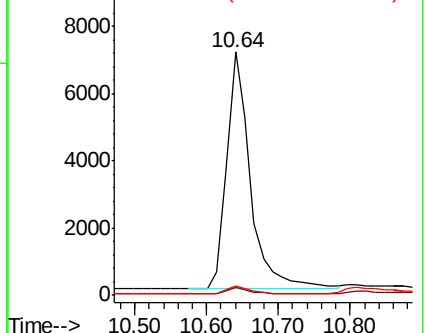
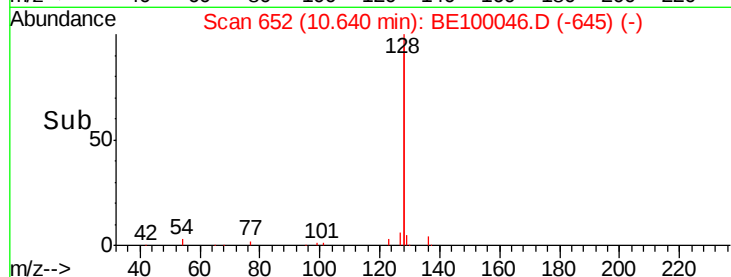
127 3.8 3.4 5.0



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: 0.453 ng

RT: 10.91 min Scan# 673

Delta R.T. -0.01 min

Lab File: BE100046.D

Acq: 15 Jun 2019 6:11

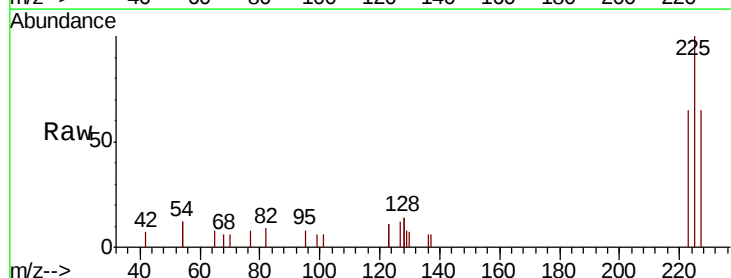
Tgt Ion:225 Resp: 1347

Ion Ratio Lower Upper

225 100

223 64.6 51.6 77.4

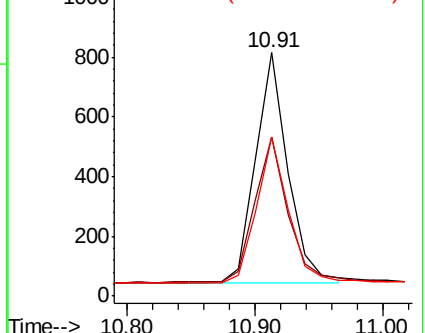
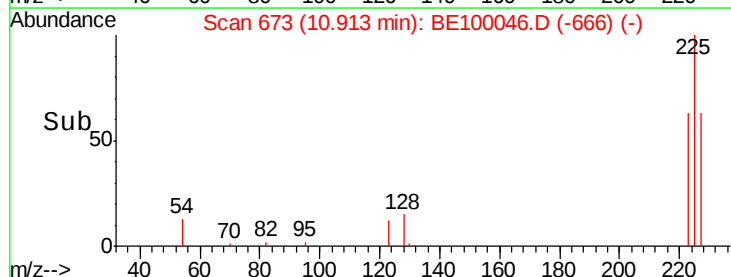
227 63.0 50.6 76.0



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: 0.415 ng

RT: 12.19 min Scan# 762

Delta R.T. -0.01 min

Lab File: BE100046.D

Acq: 15 Jun 2019 6:11

Instrument :

BNA\_E

ClientSampleId :

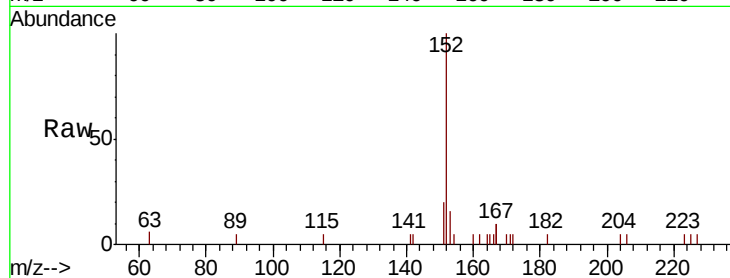
SSTDCCC0.4

Tgt Ion:152 Resp: 2614

Ion Ratio Lower Upper

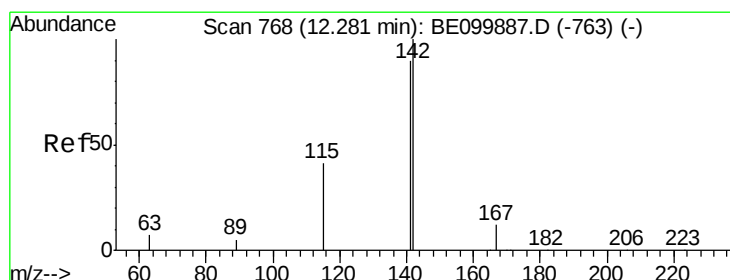
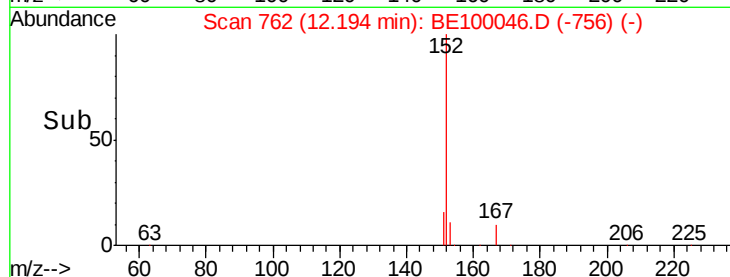
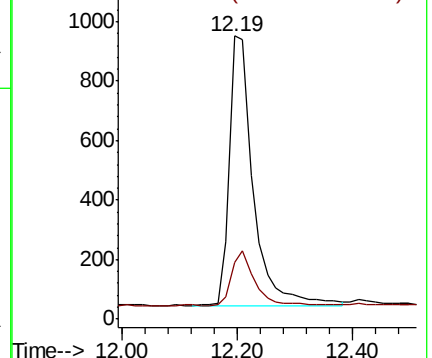
152 100

151 20.4 15.2 22.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.411 ng

RT: 12.28 min Scan# 768

Delta R.T. -0.00 min

Lab File: BE100046.D

Acq: 15 Jun 2019 6:11

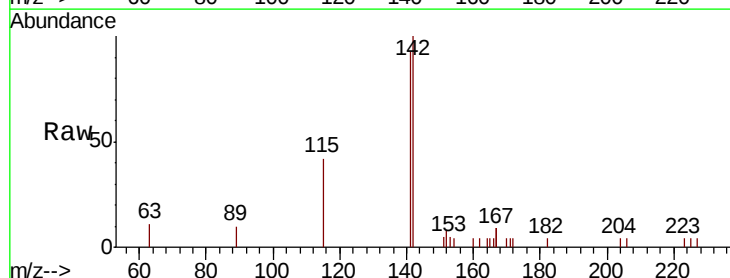
Tgt Ion:142 Resp: 2600

Ion Ratio Lower Upper

142 100

141 93.3 72.3 108.5

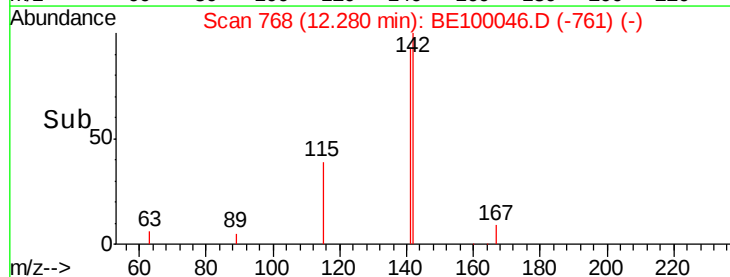
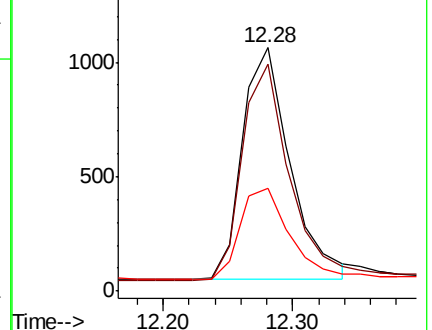
115 42.0 36.4 54.6

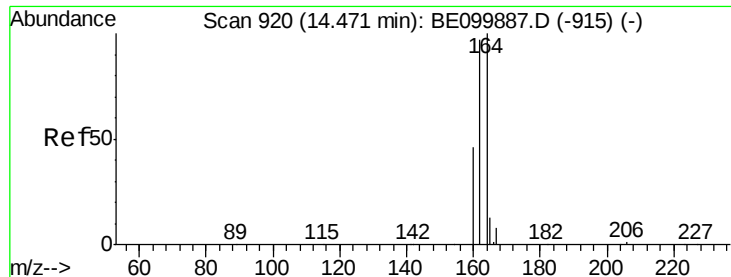


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

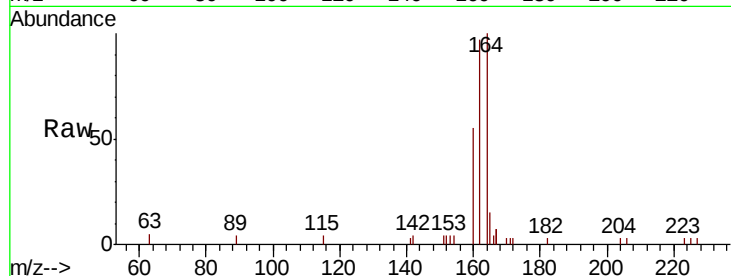




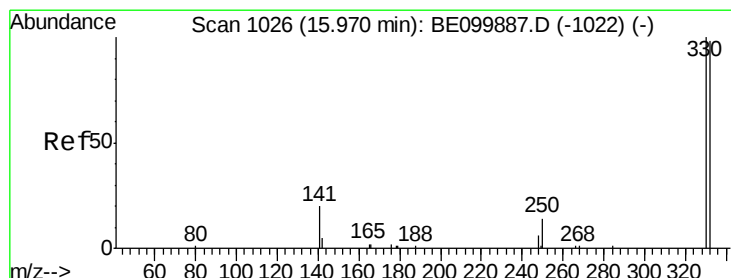
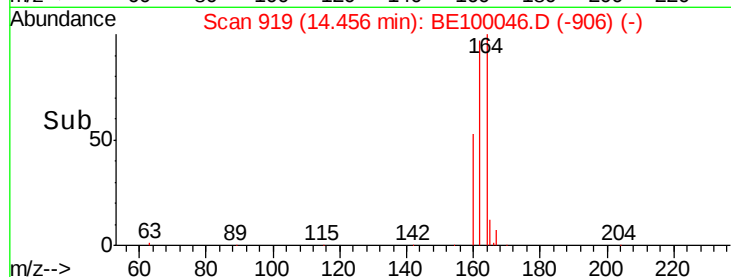
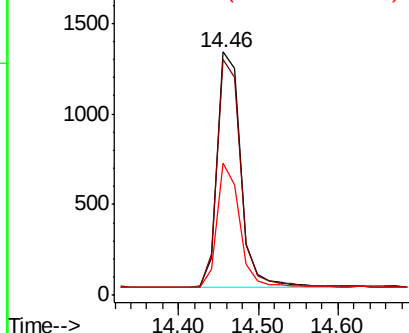
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.46 min Scan# 919  
Delta R.T. -0.01 min  
Lab File: BE100046.D  
Acq: 15 Jun 2019 6:11

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

Tgt Ion:164 Resp: 2648  
Ion Ratio Lower Upper  
164 100  
162 97.2 77.8 116.8  
160 54.5 38.2 57.4

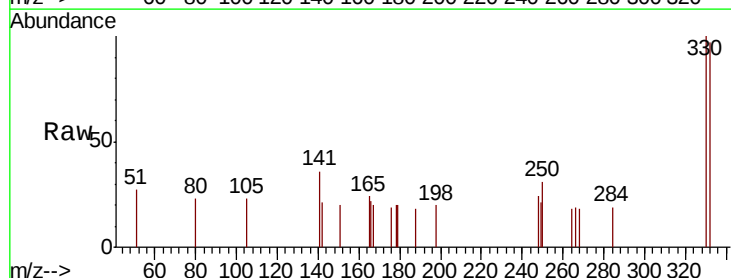


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

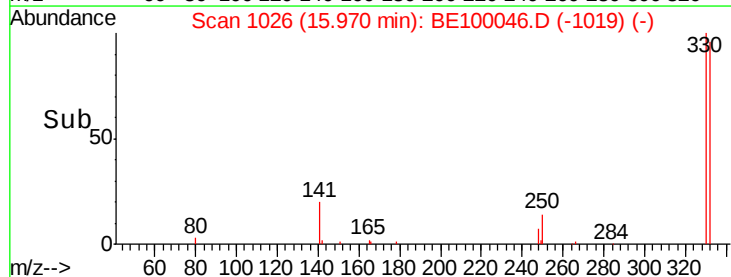
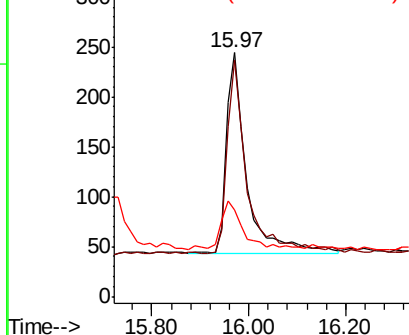


#14  
2,4,6-Tribromophenol  
Concen: 0.302 ng  
RT: 15.97 min Scan# 1026  
Delta R.T. 0.00 min  
Lab File: BE100046.D  
Acq: 15 Jun 2019 6:11

Tgt Ion:330 Resp: 592  
Ion Ratio Lower Upper  
330 100  
332 95.4 76.7 115.1  
141 27.5 21.0 31.6



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

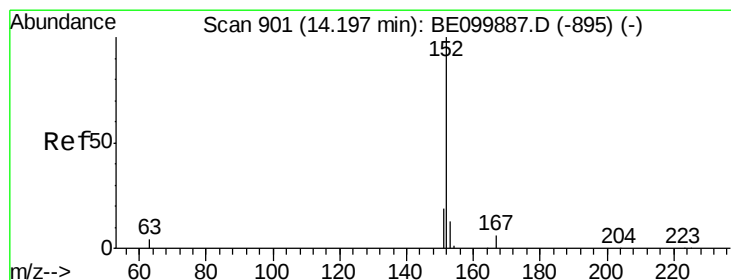
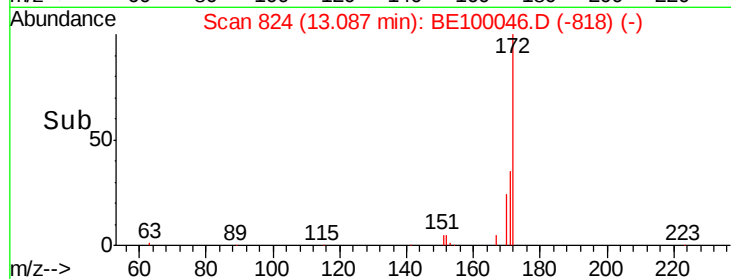
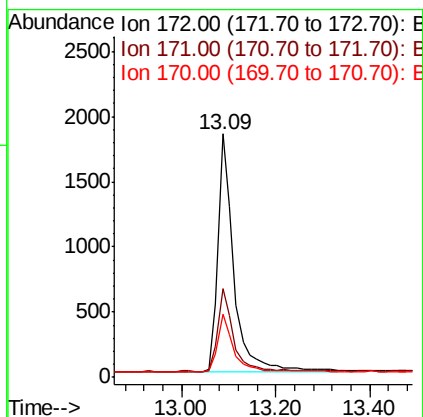
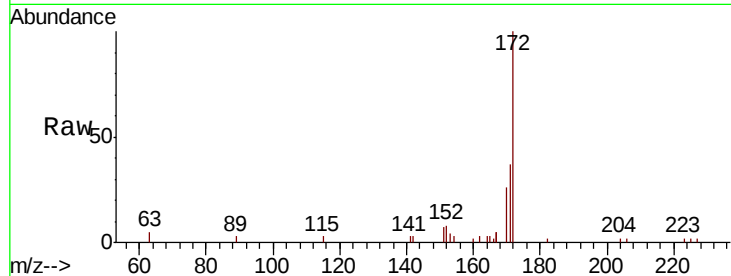




#15  
2-Fluorobiphenyl  
Concen: 0.423 ng  
RT: 13.09 min Scan# 824  
Delta R.T. -0.01 min  
Lab File: BE100046.D  
Acq: 15 Jun 2019 6:11

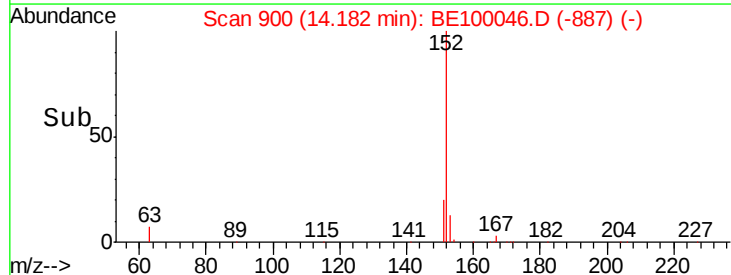
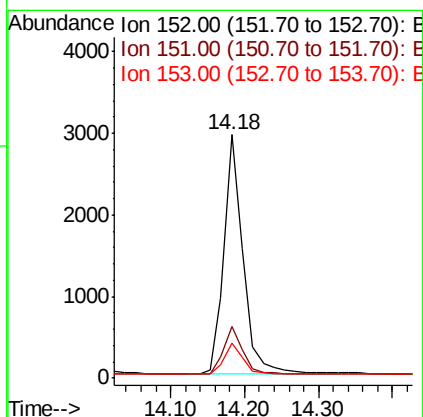
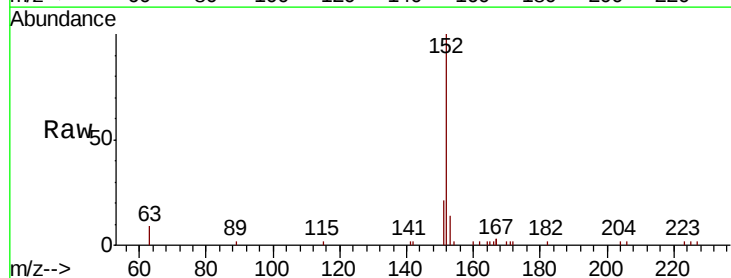
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

Tgt Ion:172 Resp: 4242  
Ion Ratio Lower Upper  
172 100  
171 36.6 29.2 43.8  
170 25.8 21.2 31.8



#16  
Acenaphthylene  
Concen: 0.404 ng  
RT: 14.18 min Scan# 900  
Delta R.T. -0.01 min  
Lab File: BE100046.D  
Acq: 15 Jun 2019 6:11

Tgt Ion:152 Resp: 5327  
Ion Ratio Lower Upper  
152 100  
151 20.1 15.5 23.3  
153 12.8 10.2 15.2

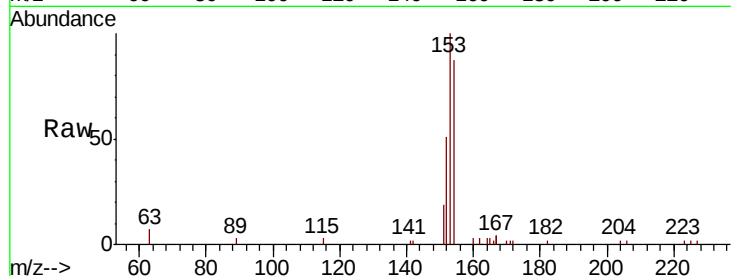




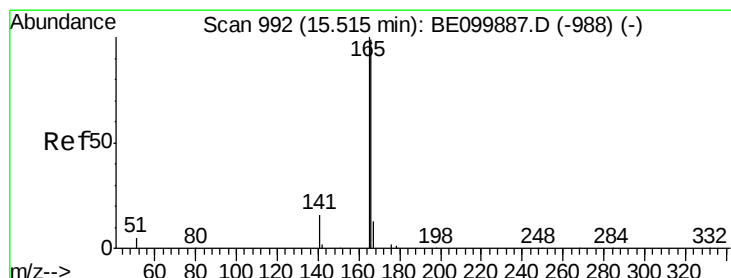
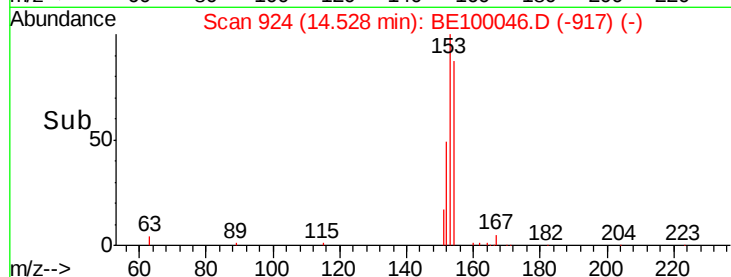
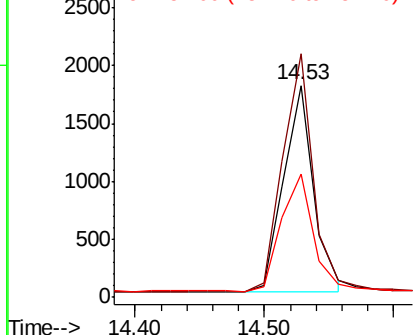
#17  
Acenaphthene  
Concen: 0.402 ng  
RT: 14.53 min Scan# 924  
Delta R.T. -0.00 min  
Lab File: BE100046.D  
Acq: 15 Jun 2019 6:11

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

Tgt Ion:154 Resp: 2886  
Ion Ratio Lower Upper  
154 100  
153 115.7 93.1 139.7  
152 60.0 47.0 70.4

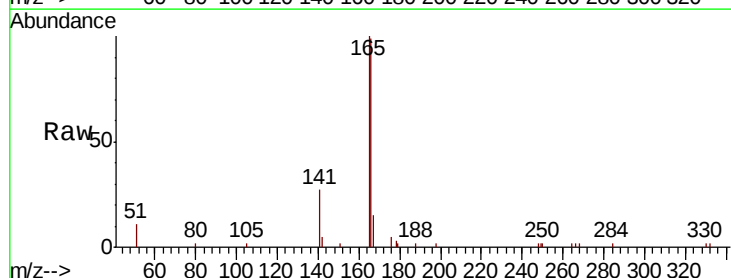


Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E

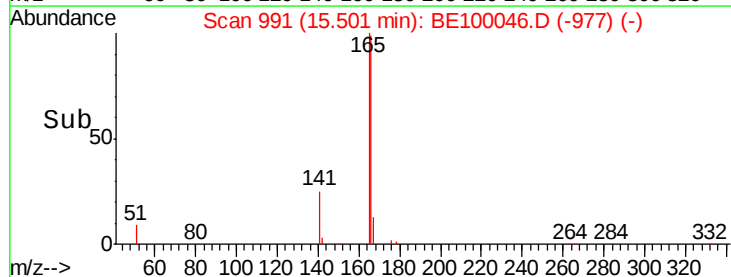
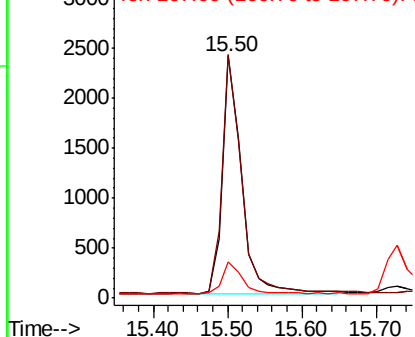


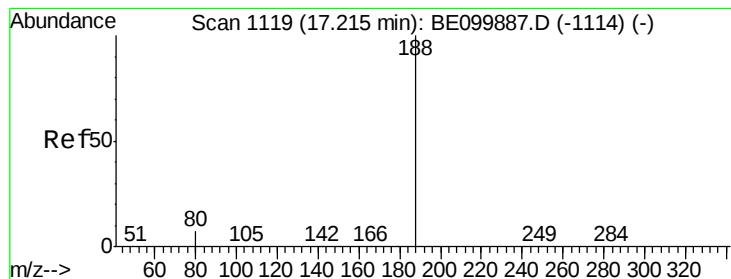
#18  
Fluorene  
Concen: 0.399 ng  
RT: 15.50 min Scan# 991  
Delta R.T. -0.01 min  
Lab File: BE100046.D  
Acq: 15 Jun 2019 6:11

Tgt Ion:166 Resp: 4295  
Ion Ratio Lower Upper  
166 100  
165 100.3 81.8 122.8  
167 13.2 11.2 16.8



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: 17.21 min Scan# 1119

Delta R.T. 0.00 min

Lab File: BE100046.D

Acq: 15 Jun 2019 6:11

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

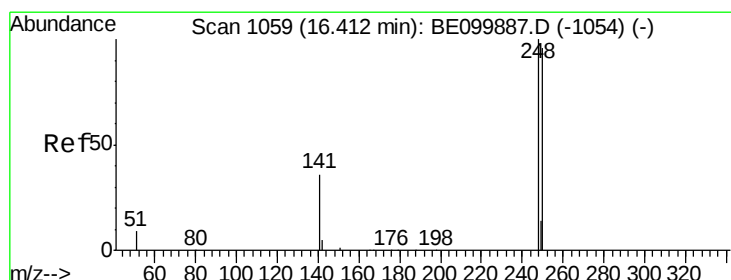
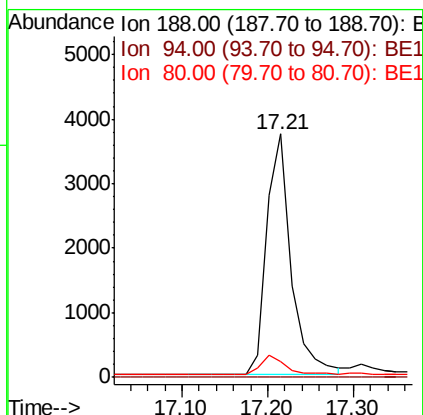
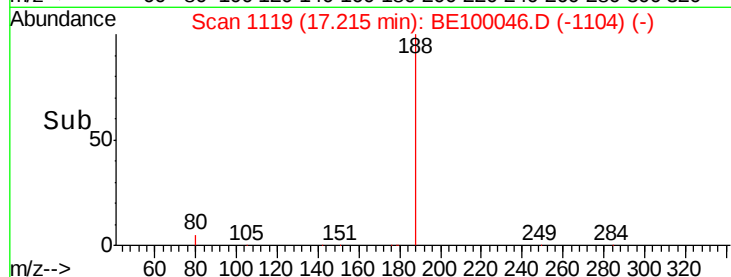
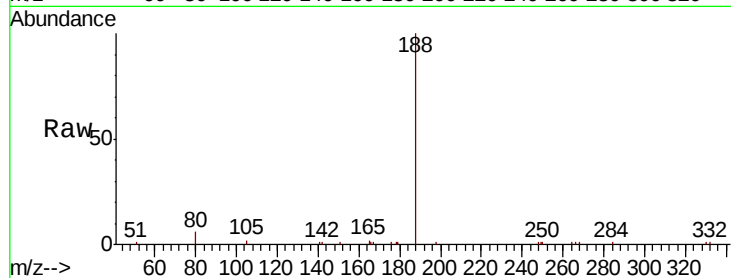
Tgt Ion:188 Resp: 7366

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 6.2 6.4 9.6#



#20

4-Bromophenyl-phenylether

Concen: 0.454 ng

RT: 16.40 min Scan# 1058

Delta R.T. -0.01 min

Lab File: BE100046.D

Acq: 15 Jun 2019 6:11

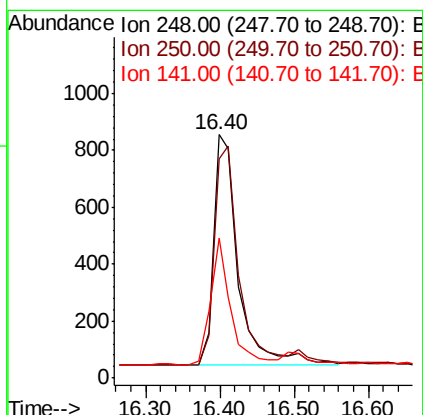
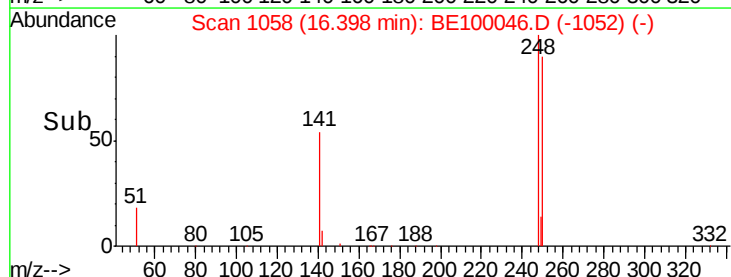
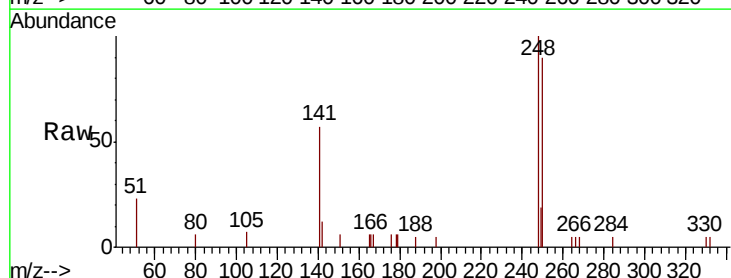
Tgt Ion:248 Resp: 1895

Ion Ratio Lower Upper

248 100

250 90.2 77.5 116.3

141 57.2 31.8 47.8#

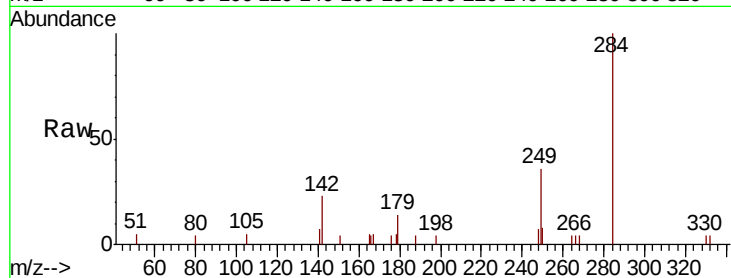




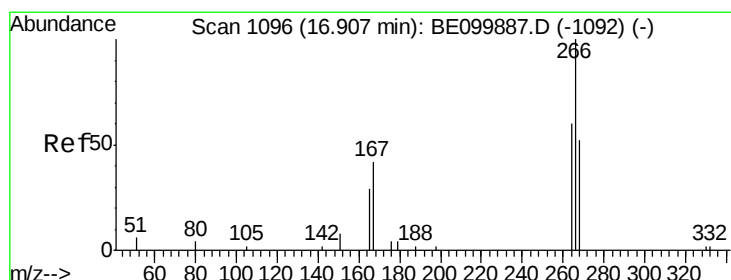
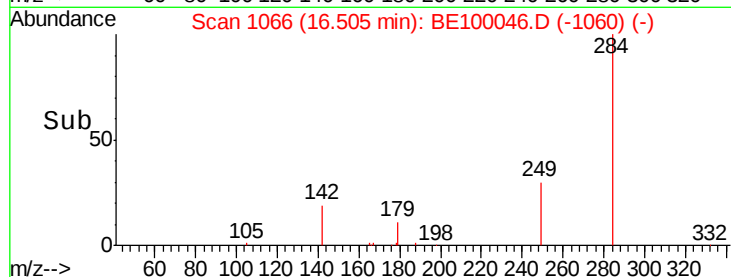
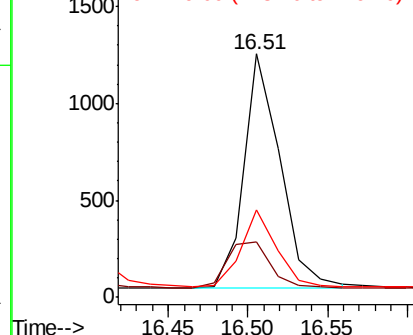
#21  
Hexachlorobenzene  
Concen: 0.456 ng  
RT: 16.51 min Scan# 1066  
Delta R.T. -0.01 min  
Lab File: BE100046.D  
Acq: 15 Jun 2019 6:11

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

Tgt Ion: 284 Resp: 1946  
Ion Ratio Lower Upper  
284 100  
142 23.4 18.2 27.4  
249 32.0 24.6 37.0

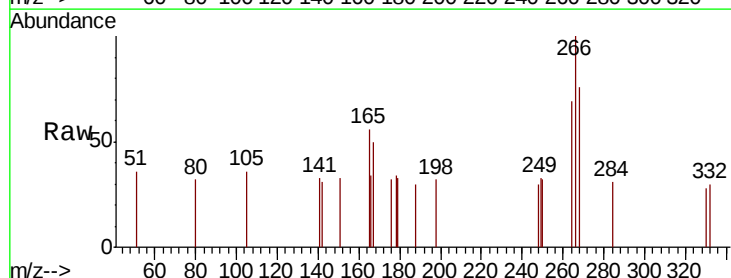


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

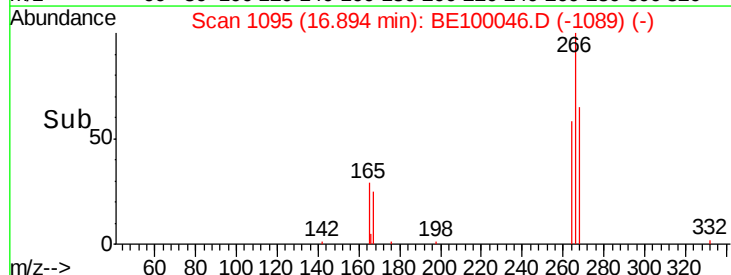
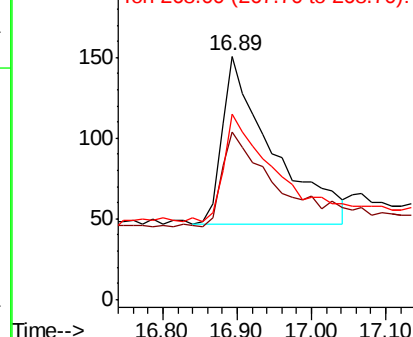


#22  
Pentachlorophenol  
Concen: 0.536 ng  
RT: 16.89 min Scan# 1095  
Delta R.T. -0.01 min  
Lab File: BE100046.D  
Acq: 15 Jun 2019 6:11

Tgt Ion: 266 Resp: 484  
Ion Ratio Lower Upper  
266 100  
264 68.9 62.2 93.2  
268 76.2 65.5 98.3



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: 0.422 ng

RT: 17.26 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BE100046.D

Acq: 15 Jun 2019 6:11

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

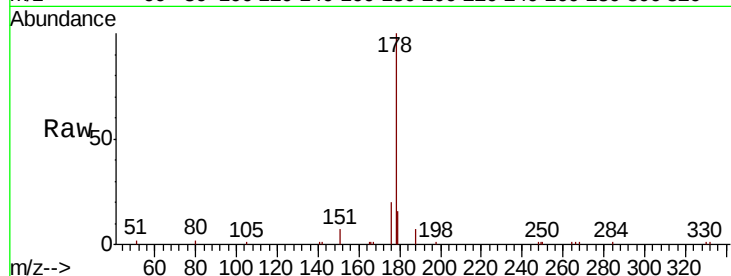
Tgt Ion:178 Resp: 7536

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.8

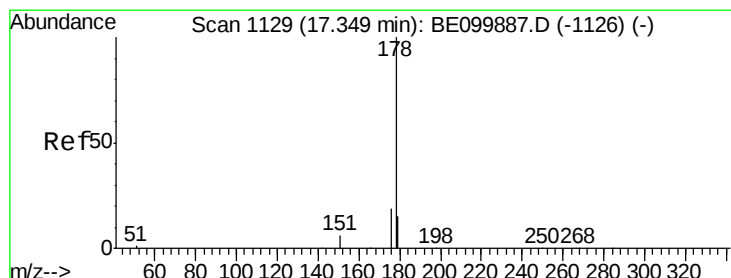
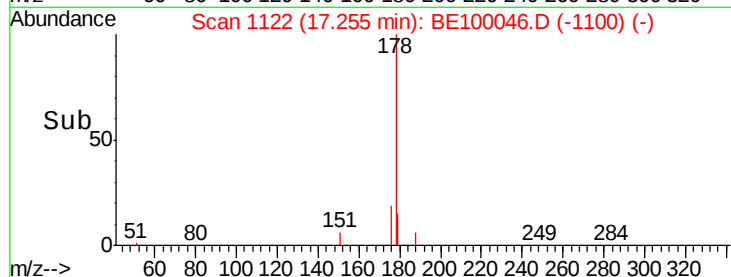
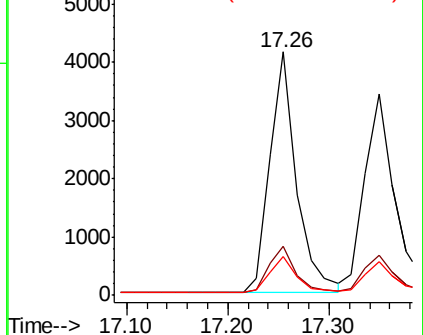
179 15.2 12.4 18.6



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: 0.408 ng

RT: 17.35 min Scan# 1129

Delta R.T. 0.00 min

Lab File: BE100046.D

Acq: 15 Jun 2019 6:11

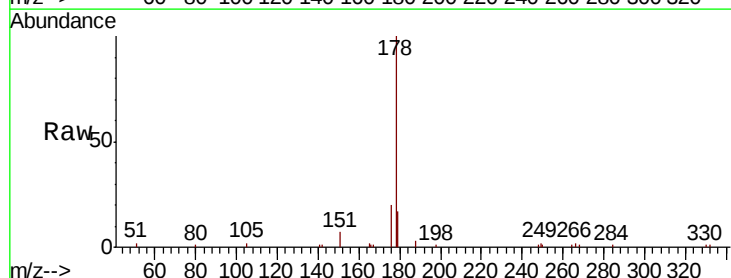
Tgt Ion:178 Resp: 6681

Ion Ratio Lower Upper

178 100

176 18.8 14.6 22.0

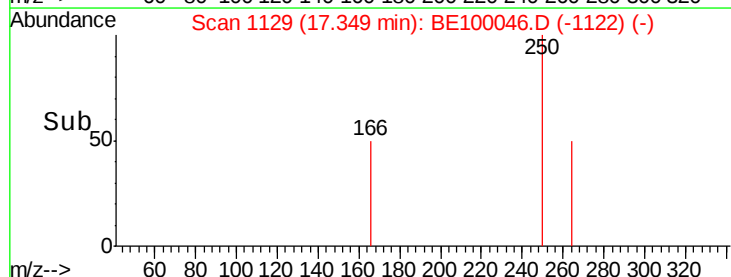
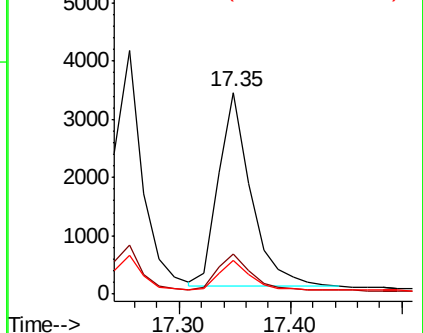
179 15.5 12.3 18.5



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: 0.373 ng

RT: 19.25 min Scan# 1389

Delta R.T. -0.00 min

Lab File: BE100046.D

Acq: 15 Jun 2019 6:11

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

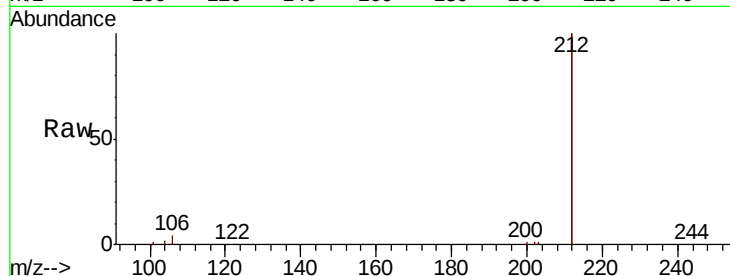
Tgt Ion:212 Resp: 39982

Ion Ratio Lower Upper

212 100

106 1.8 1.4 2.2

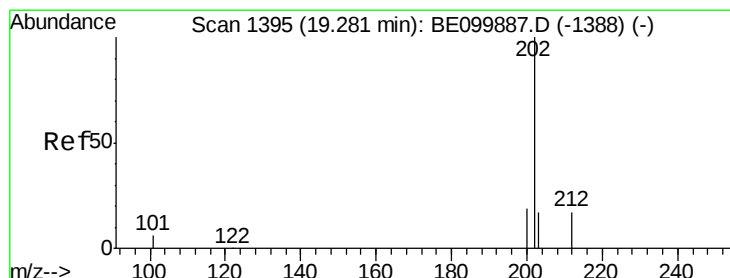
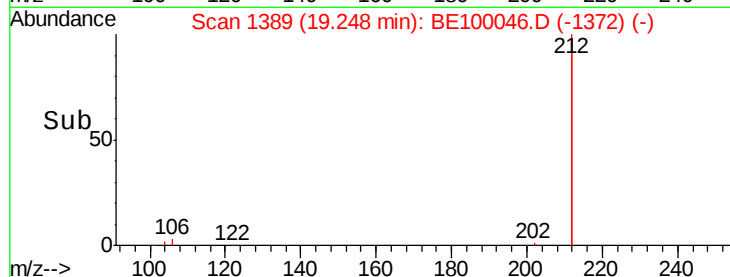
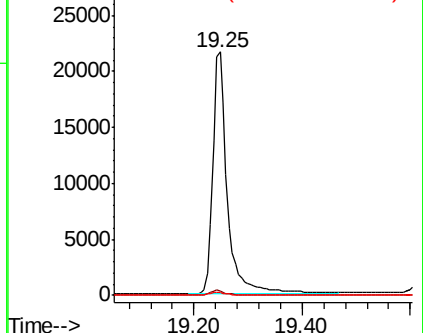
104 1.0 0.9 1.3



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: 0.384 ng

RT: 19.28 min Scan# 1394

Delta R.T. -0.00 min

Lab File: BE100046.D

Acq: 15 Jun 2019 6:11

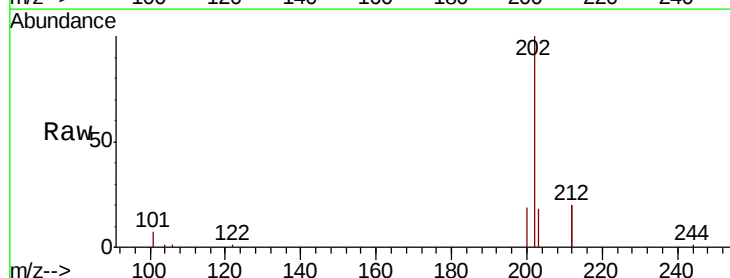
Tgt Ion:202 Resp: 11660

Ion Ratio Lower Upper

202 100

101 6.7 5.4 8.0

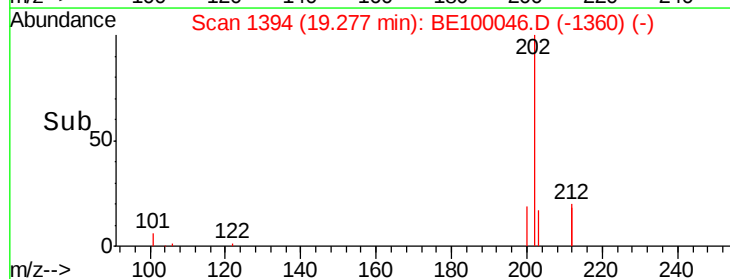
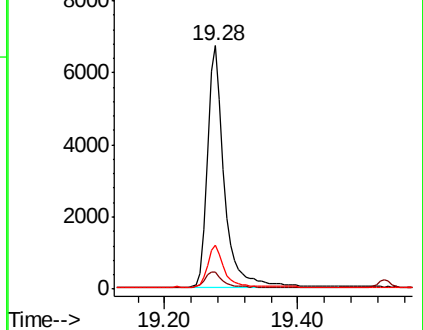
203 17.0 13.2 19.8



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

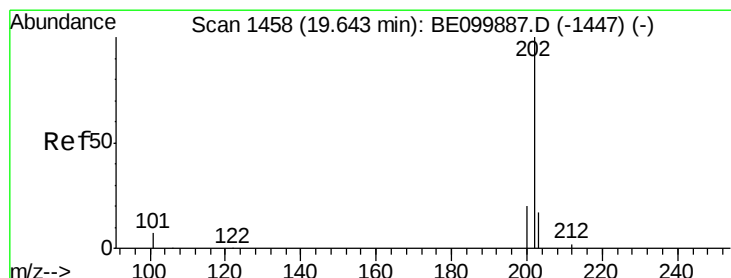
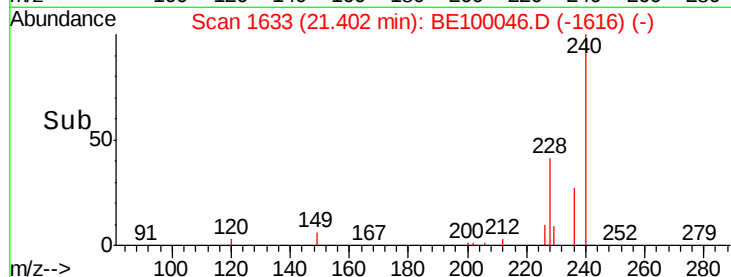
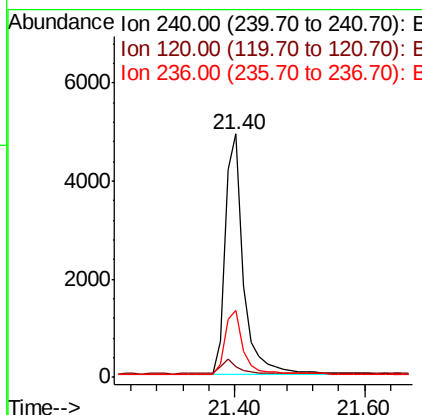
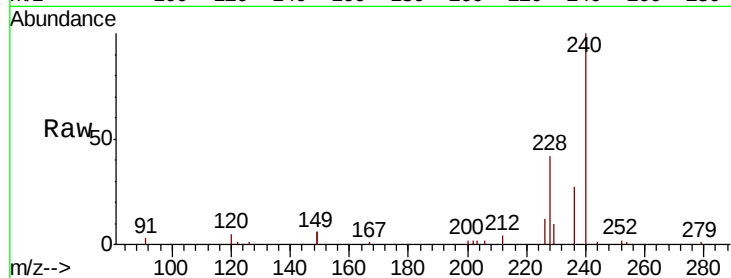




#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.40 min Scan# 1633  
Delta R.T. -0.00 min  
Lab File: BE100046.D  
Acq: 15 Jun 2019 6:11

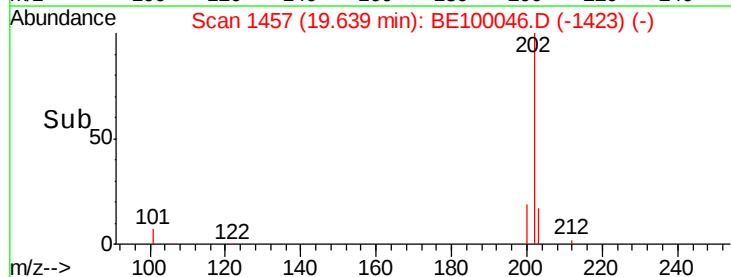
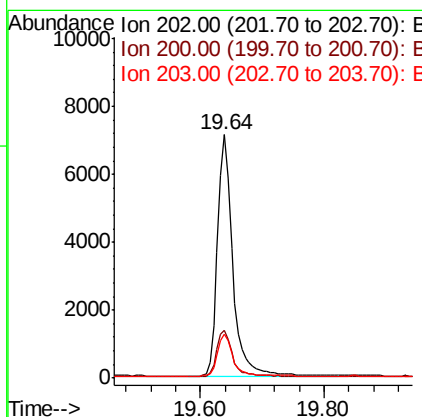
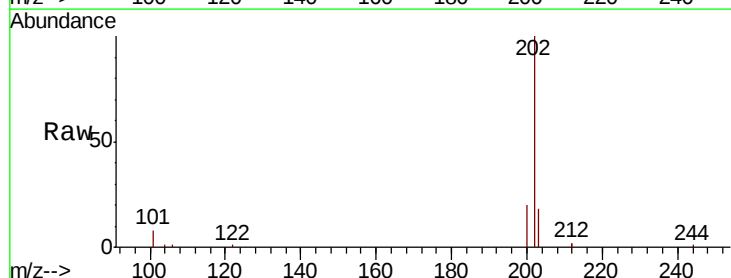
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

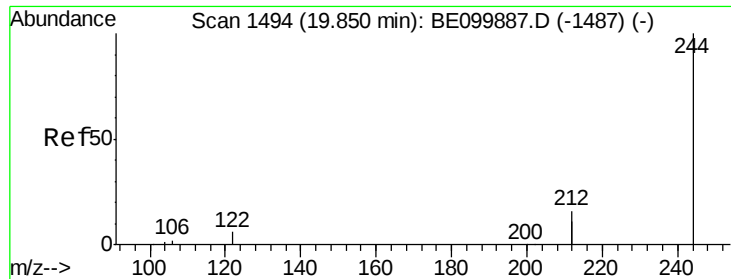
Tgt Ion:240 Resp: 9796  
Ion Ratio Lower Upper  
240 100  
120 4.6 3.8 5.6  
236 27.5 22.0 33.0



#28  
Pyrene  
Concen: 0.471 ng  
RT: 19.64 min Scan# 1457  
Delta R.T. -0.00 min  
Lab File: BE100046.D  
Acq: 15 Jun 2019 6:11

Tgt Ion:202 Resp: 12134  
Ion Ratio Lower Upper  
202 100  
200 19.6 15.5 23.3  
203 17.3 14.0 21.0





#29

Terphenyl-d14

Concen: 0.437 ng

RT: 19.85 min Scan# 1493

Delta R.T. -0.00 min

Lab File: BE100046.D

Acq: 15 Jun 2019 6:11

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

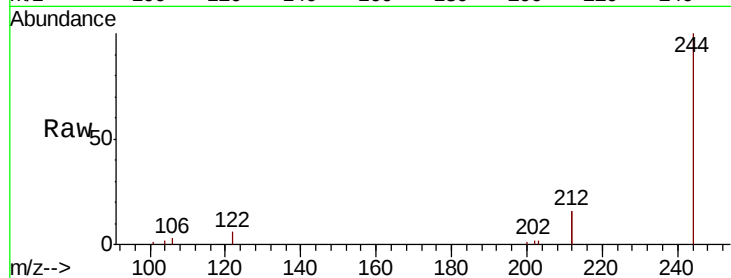
Tgt Ion:244 Resp: 7712

Ion Ratio Lower Upper

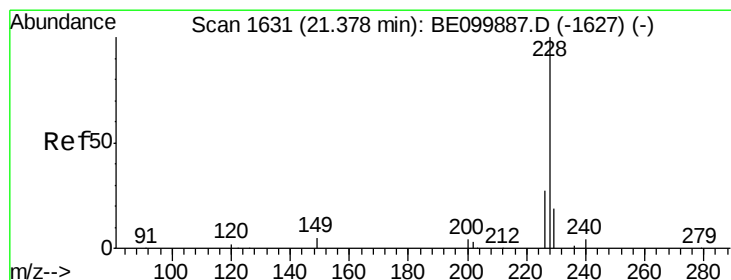
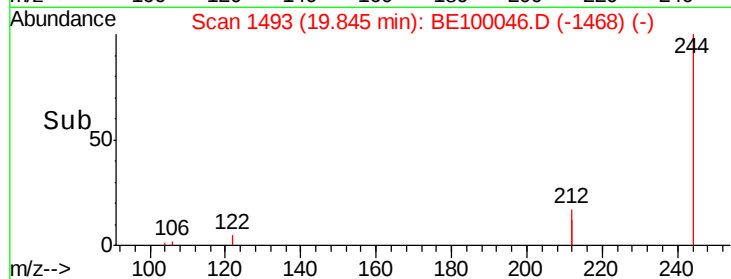
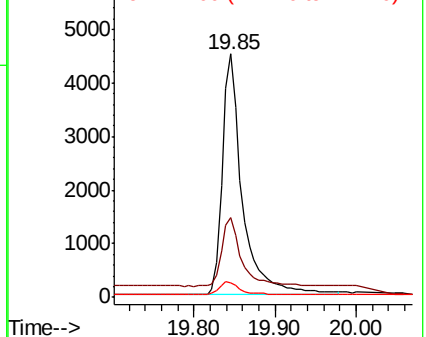
244 100

212 32.8 25.7 38.5

122 6.2 5.5 8.3



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: 0.449 ng

RT: 21.38 min Scan# 1631

Delta R.T. -0.00 min

Lab File: BE100046.D

Acq: 15 Jun 2019 6:11

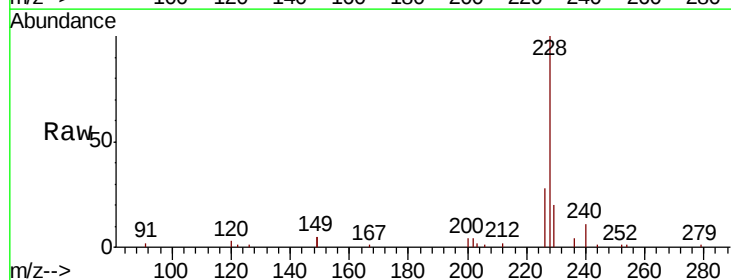
Tgt Ion:228 Resp: 13146

Ion Ratio Lower Upper

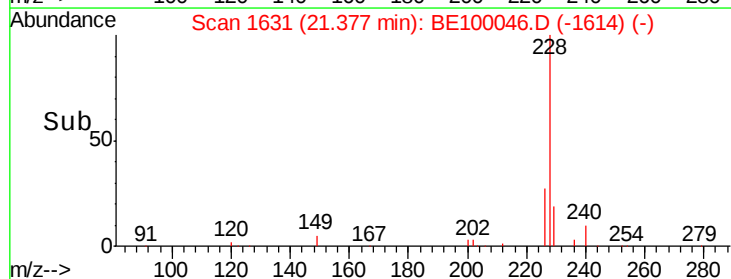
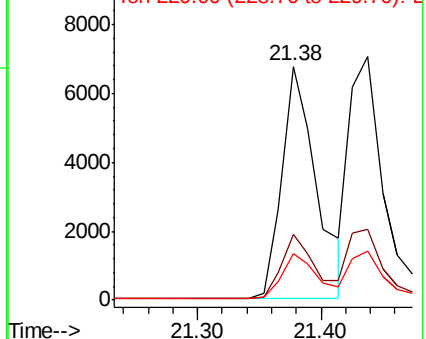
228 100

226 28.1 22.5 33.7

229 20.1 15.9 23.9



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: 0.429 ng

RT: 21.44 min Scan# 1636

Delta R.T. -0.00 min

Lab File: BE100046.D

Acq: 15 Jun 2019 6:11

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

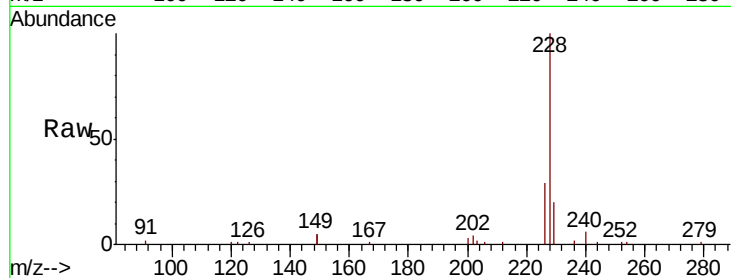
Tgt Ion:228 Resp: 12989

Ion Ratio Lower Upper

228 100

226 29.2 24.1 36.1

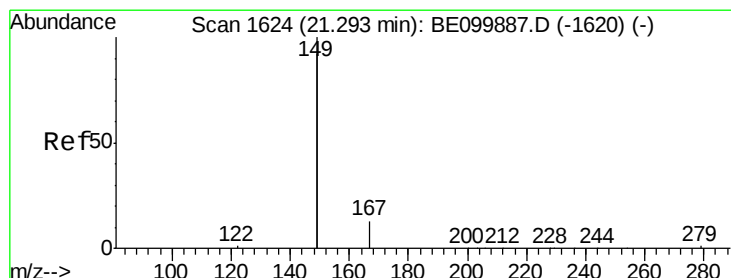
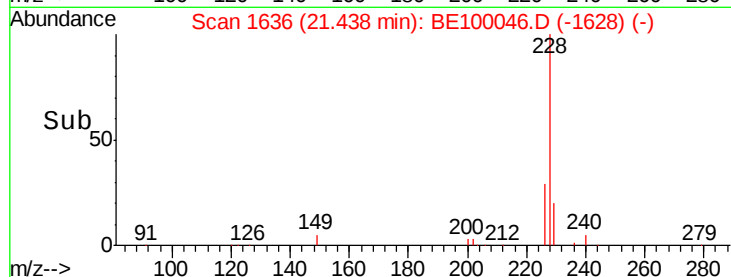
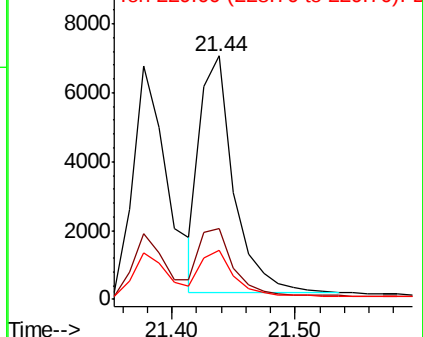
229 20.3 16.1 24.1



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: 0.393 ng

RT: 21.29 min Scan# 1624

Delta R.T. -0.00 min

Lab File: BE100046.D

Acq: 15 Jun 2019 6:11

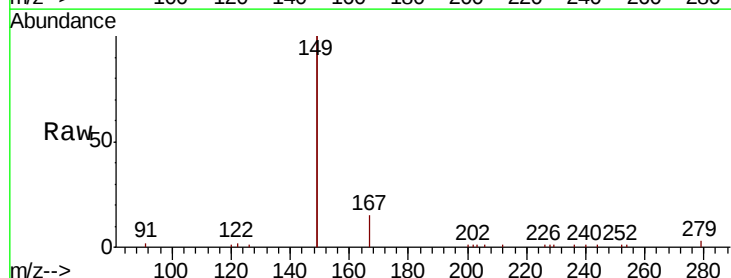
Tgt Ion:149 Resp: 16506

Ion Ratio Lower Upper

149 100

167 7.3 5.9 8.9

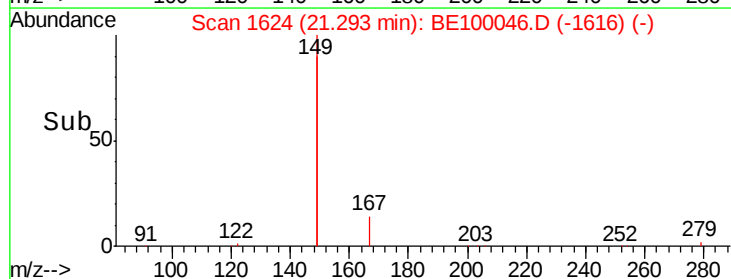
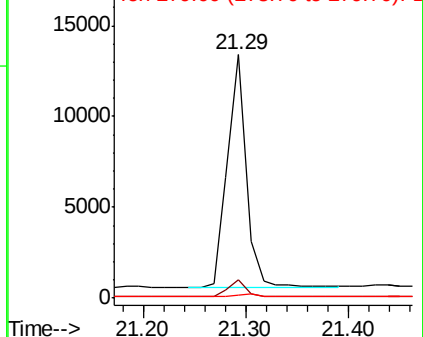
279 1.4 1.2 1.8



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: 0.377 ng

RT: 26.61 min Scan# 2965

Delta R.T. -0.00 min

Lab File: BE100046.D

Acq: 15 Jun 2019 6:11

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

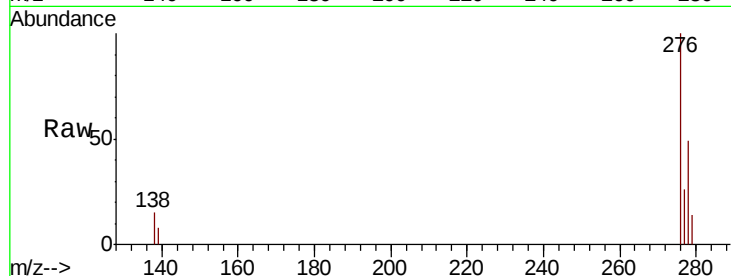
Tgt Ion:276 Resp: 13543

Ion Ratio Lower Upper

276 100

138 6.5 10.1 15.1#

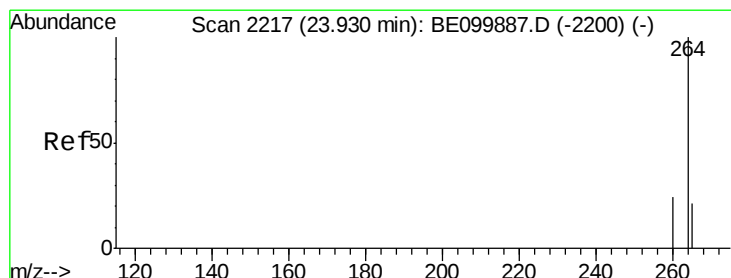
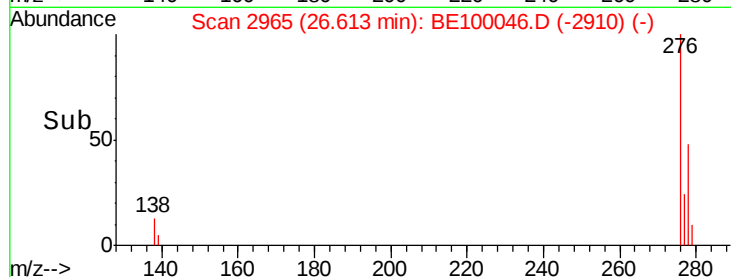
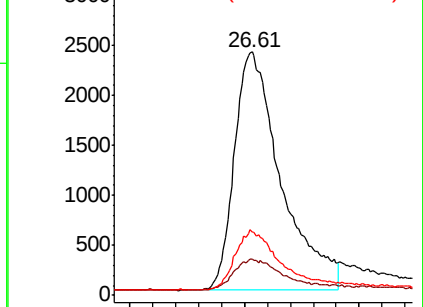
277 24.5 19.1 28.7



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: 23.92 min Scan# 2215

Delta R.T. -0.01 min

Lab File: BE100046.D

Acq: 15 Jun 2019 6:11

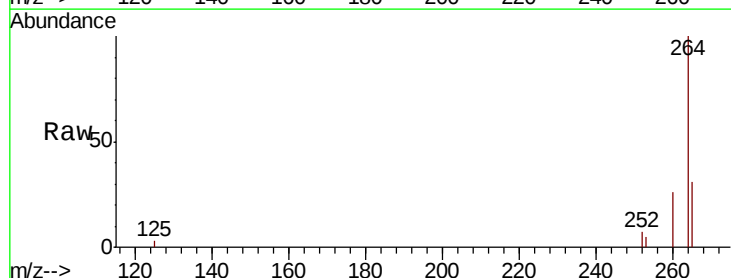
Tgt Ion:264 Resp: 10910

Ion Ratio Lower Upper

264 100

260 25.8 20.2 30.2

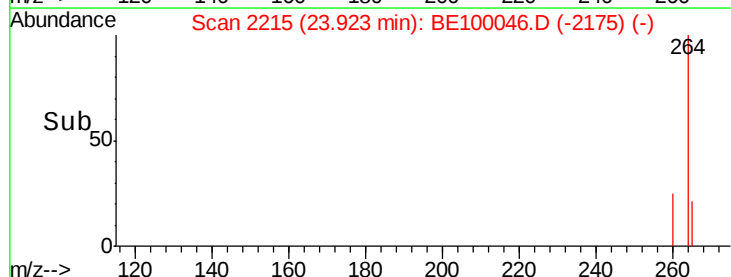
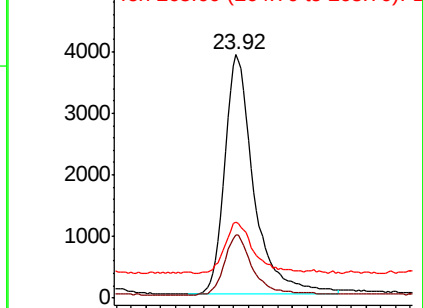
265 31.3 22.0 33.0



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: 0.441 ng

RT: 23.20 min Scan# 2011

Delta R.T. 0.05 min

Lab File: BE100046.D

Acq: 15 Jun 2019 6:11

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

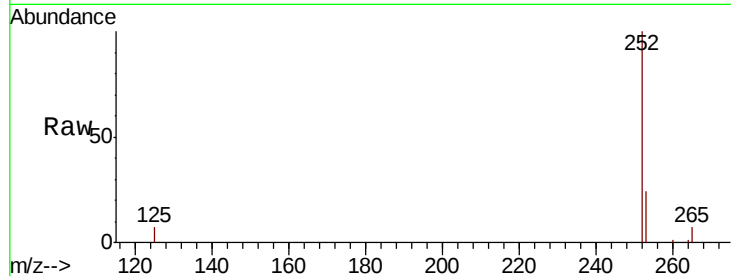
Tgt Ion:252 Resp: 13478

Ion Ratio Lower Upper

252 100

253 23.9 18.7 28.1

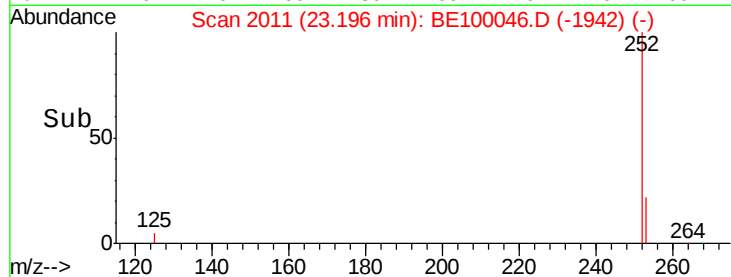
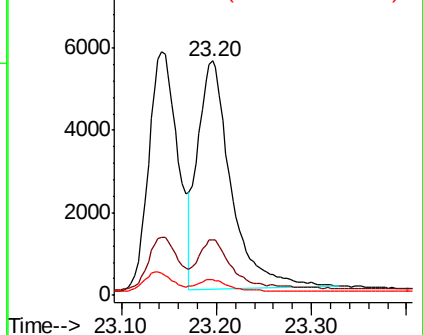
125 6.8 5.7 8.5



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.430 ng

RT: 23.20 min Scan# 2011

Delta R.T. -0.00 min

Lab File: BE100046.D

Acq: 15 Jun 2019 6:11

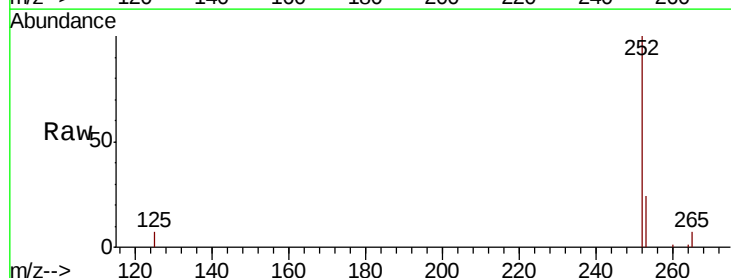
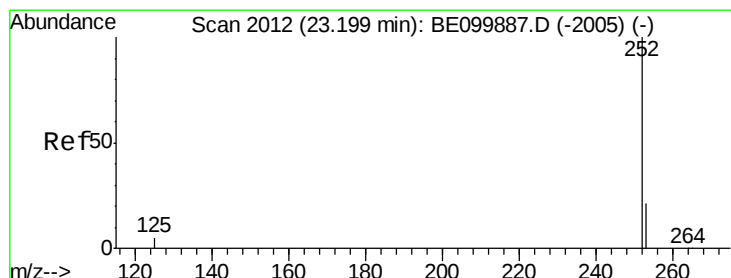
Tgt Ion:252 Resp: 13755

Ion Ratio Lower Upper

252 100

253 23.9 18.6 28.0

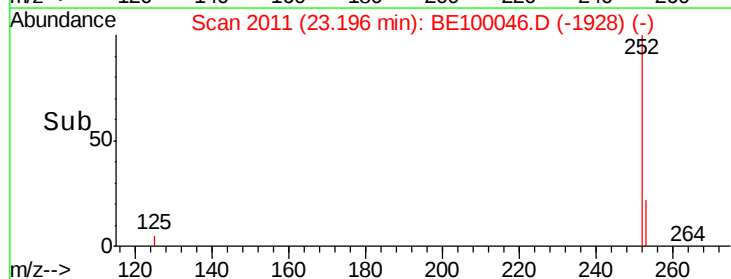
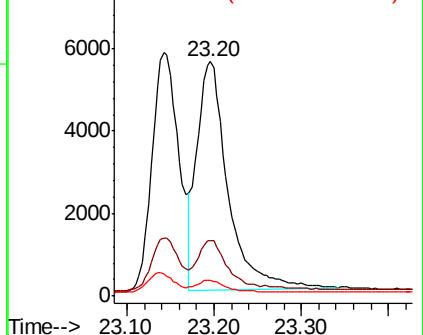
125 6.8 5.4 8.0



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





#37

Benzo(a)pyrene

Concen: 0.415 ng

RT: 23.81 min Scan# 2184

Delta R.T. -0.00 min

Lab File: BE100046.D

Acq: 15 Jun 2019 6:11

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

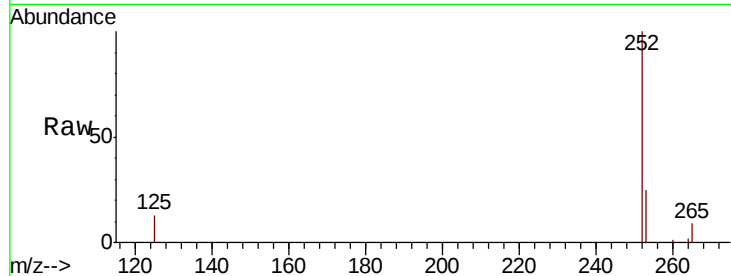
Tgt Ion: 252 Resp: 12489

Ion Ratio Lower Upper

252 100

253 24.9 19.6 29.4

125 13.3 6.6 10.0#

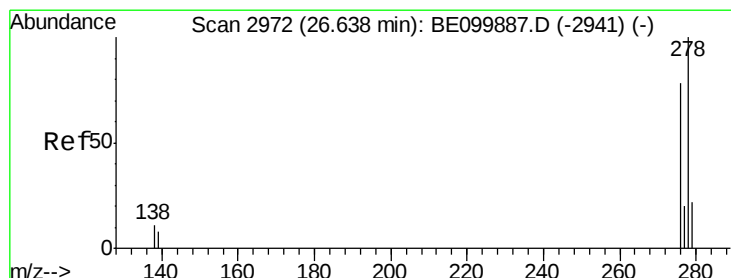
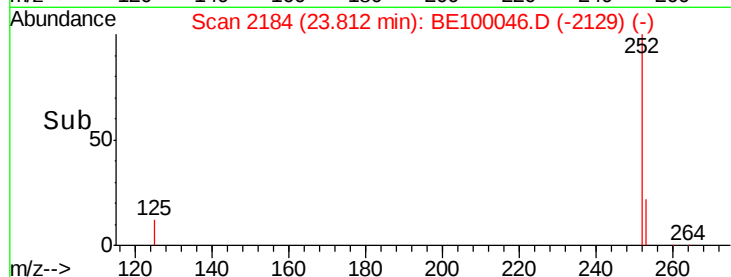
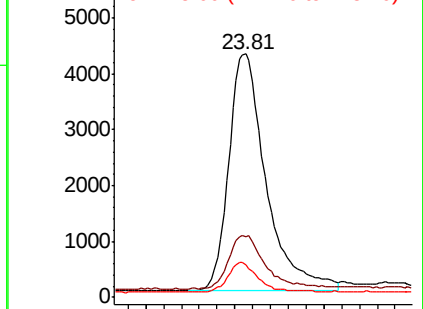


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.345 ng

RT: 26.64 min Scan# 2972

Delta R.T. 0.00 min

Lab File: BE100046.D

Acq: 15 Jun 2019 6:11

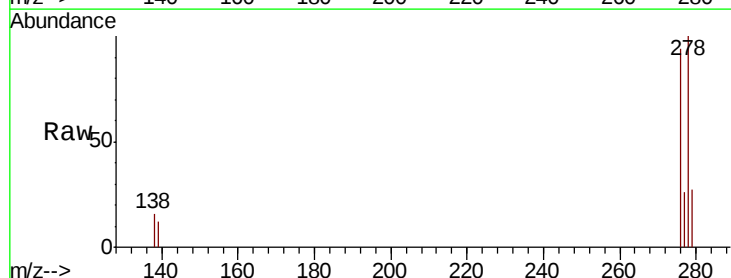
Tgt Ion: 278 Resp: 10476

Ion Ratio Lower Upper

278 100

139 11.8 7.8 11.8#

279 26.5 20.0 30.0

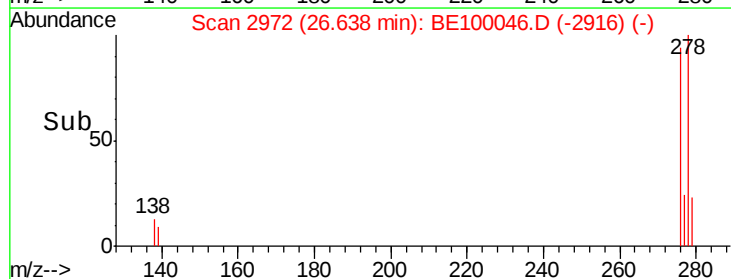
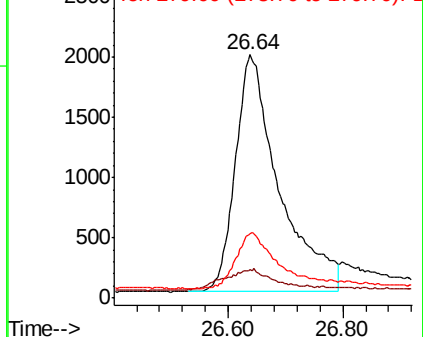


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.373 ng

RT: 27.43 min Scan# 3195

Delta R.T. 0.00 min

Lab File: BE100046.D

Acq: 15 Jun 2019 6:11

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

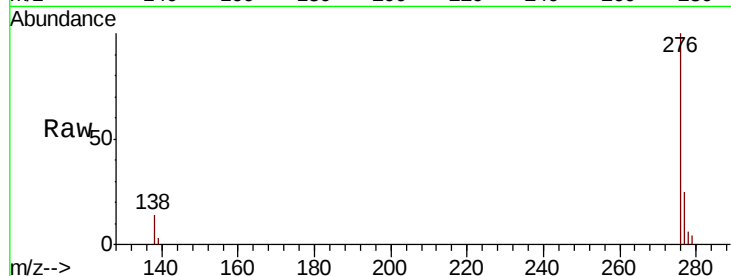
Tgt Ion: 276 Resp: 11675

Ion Ratio Lower Upper

276 100

277 24.8 19.5 29.3

138 13.5 9.5 14.3



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

