

Data Path : Z:\svoasrv\HPCHEM1\BNA\_E\Data\BE052819\  
 Data File : BE099755.D  
 Acq On : 28 May 2019 13:47  
 Operator : JU/SJ  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

Quant Time: May 28 15:07:14 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE052019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon May 20 19:29:40 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.81  | 152  | 1361     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.61 | 136  | 5022     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.49 | 164  | 3775     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.23 | 188  | 12518    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.41 | 240  | 18011    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.95 | 264  | 21061    | 0.40 | ng    | -0.01    |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 4) 2-Fluorophenol           | 5.36  | 112 | 1256  | 0.37 | ng | 0.00  |
| 5) Phenol-d6                | 6.97  | 99  | 1692  | 0.37 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 8.96  | 82  | 1538  | 0.35 | ng | -0.01 |
| 11) 2-Methylnaphthalene-d10 | 12.21 | 152 | 3155  | 0.36 | ng | -0.01 |
| 14) 2,4,6-Tribromophenol    | 15.97 | 330 | 761   | 0.40 | ng | -0.01 |
| 15) 2-Fluorobiphenyl        | 13.10 | 172 | 5048  | 0.35 | ng | 0.00  |
| 25) Fluoranthene-d10        | 19.26 | 212 | 59853 | 0.35 | ng | 0.00  |
| 29) Terphenyl-d14           | 19.86 | 244 | 12485 | 0.39 | ng | -0.01 |

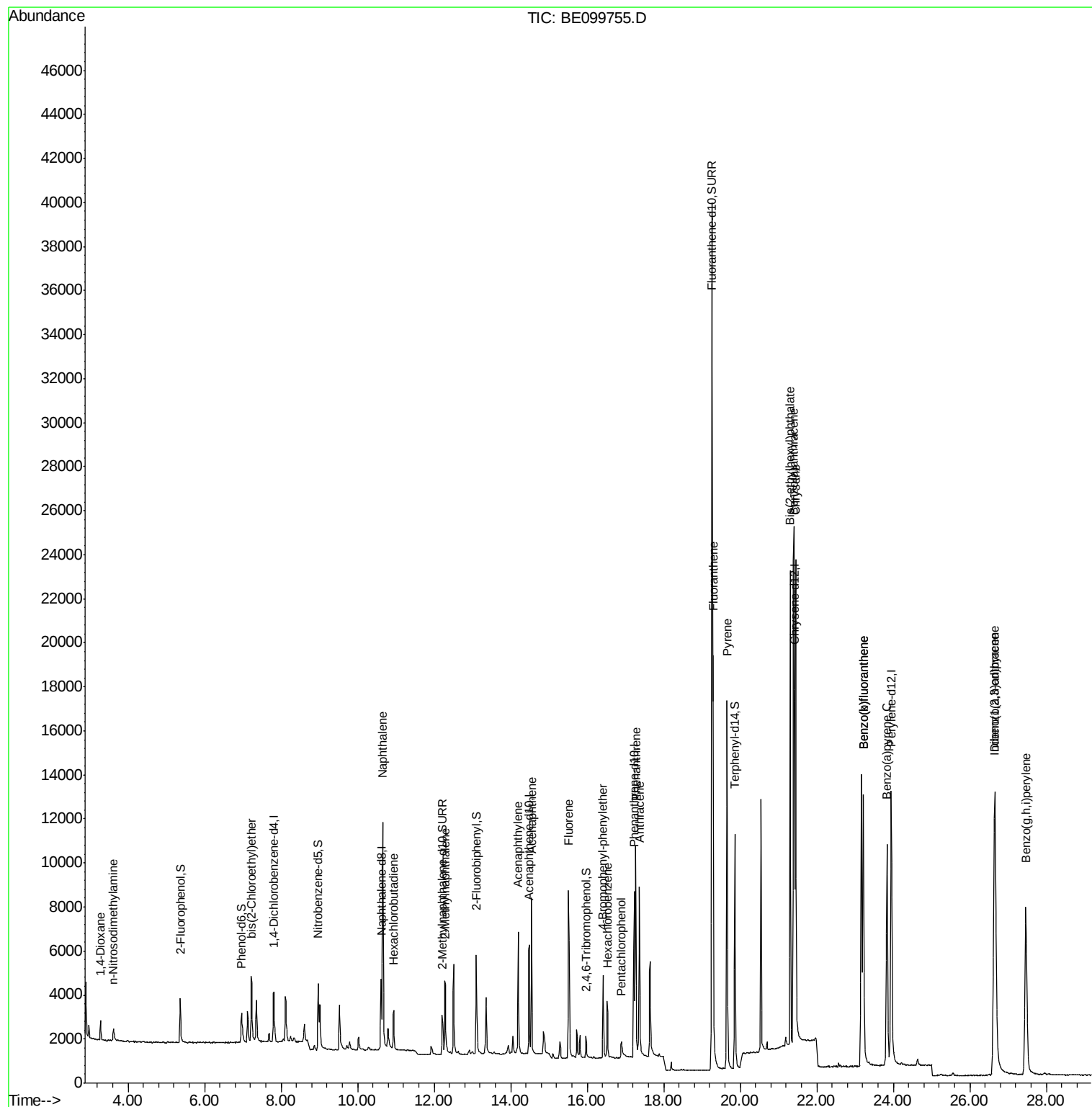
|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.28  | 88  | 768   | 0.381  | ng | 97   |
| 3) n-Nitrosodimethylamine      | 3.61  | 42  | 435   | 0.391  | ng | # 86 |
| 6) bis(2-Chloroethyl)ether     | 7.23  | 93  | 1491  | 0.368  | ng | 96   |
| 9) Naphthalene                 | 10.65 | 128 | 19395 | 0.361  | ng | 100  |
| 10) Hexachlorobutadiene        | 10.94 | 225 | 1489  | 0.377  | ng | 97   |
| 12) 2-Methylnaphthalene        | 12.30 | 142 | 3253  | 0.372  | ng | 95   |
| 16) Acenaphthylene             | 14.20 | 152 | 6536  | 0.371  | ng | 100  |
| 17) Acenaphthene               | 14.54 | 154 | 3551  | 0.360  | ng | 98   |
| 18) Fluorene                   | 15.51 | 166 | 5319  | 0.366  | ng | 99   |
| 20) 4-Bromophenyl-phenylether  | 16.41 | 248 | 2456  | 0.340  | ng | # 84 |
| 21) Hexachlorobenzene          | 16.53 | 284 | 2573  | 0.348  | ng | 99   |
| 22) Pentachlorophenol          | 16.89 | 266 | 990   | 0.605  | ng | 92   |
| 23) Phenanthrene               | 17.27 | 178 | 10733 | 0.351  | ng | 100  |
| 24) Anthracene                 | 17.36 | 178 | 9378  | 0.338  | ng | 99   |
| 26) Fluoranthene               | 19.29 | 202 | 17146 | 0.355  | ng | 100  |
| 28) Pyrene                     | 19.65 | 202 | 17950 | 0.397  | ng | 100  |
| 30) Benzo(a)anthracene         | 21.39 | 228 | 21034 | 0.411  | ng | 100  |
| 31) Chrysene                   | 21.45 | 228 | 21023 | 0.384  | ng | 97   |
| 32) Bis(2-ethylhexyl)phthalate | 21.31 | 149 | 23194 | 0.393  | ng | 100  |
| 33) Indeno(1,2,3-cd)pyrene     | 26.64 | 276 | 25488 | 0.386  | ng | 99   |
| 35) Benzo(b)fluoranthene       | 23.21 | 252 | 21107 | 0.366  | ng | 99   |
| 36) Benzo(k)fluoranthene       | 23.21 | 252 | 21153 | 0.352  | ng | 98   |
| 37) Benzo(a)pyrene             | 23.83 | 252 | 20009 | 0.360  | ng | # 98 |
| 38) Dibenzo(a,h)anthracene     | 26.66 | 278 | 20422 | 0.350  | ng | # 98 |
| 39) Benzo(g,h,i)perylene       | 27.46 | 276 | 20810 | 0.353  | ng | 99   |

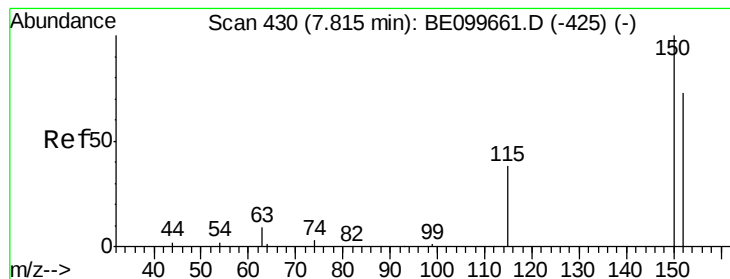
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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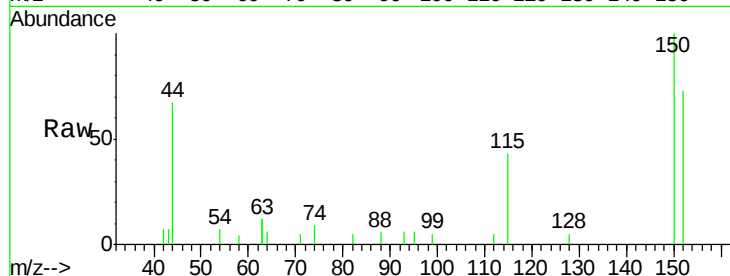


#1

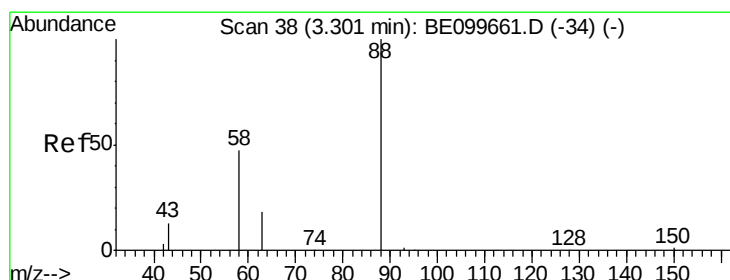
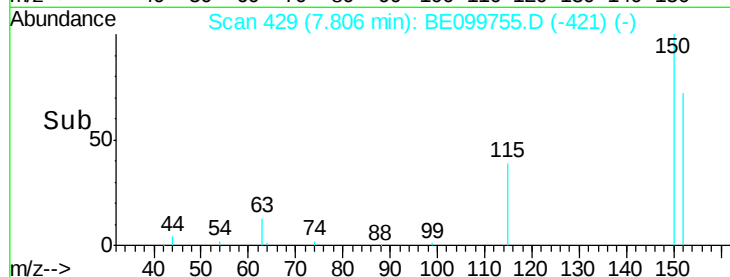
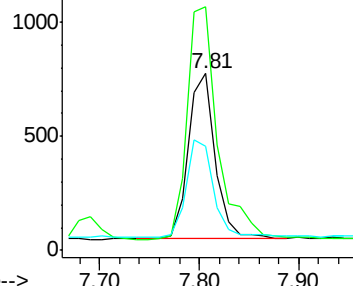
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.81 min Scan# 429  
Delta R.T. -0.01 min  
Lab File: BE099755.D  
Acq: 28 May 2019 13:47

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

Tgt Ion:152 Resp: 1361  
Ion Ratio Lower Upper  
152 100  
150 137.8 109.2 163.8  
115 58.7 43.7 65.5



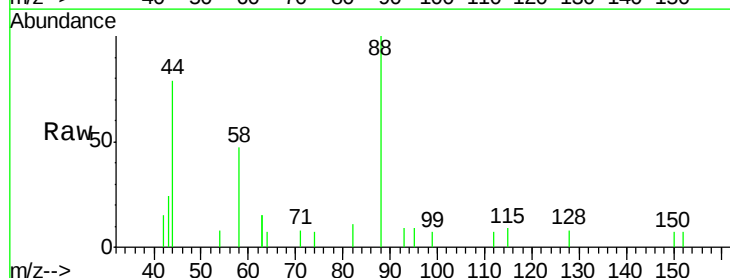
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



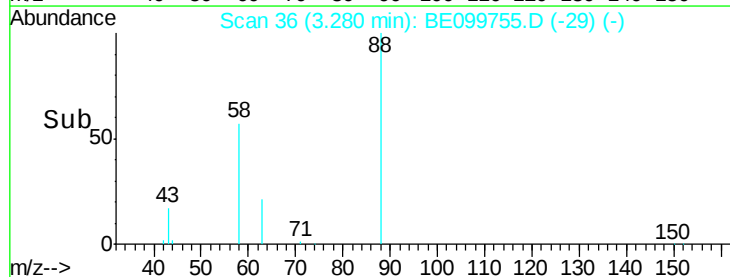
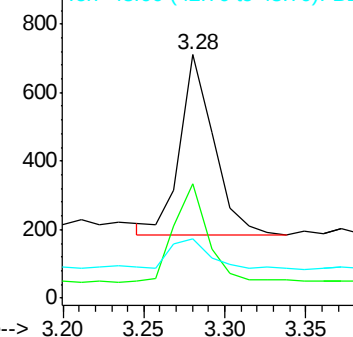
#2

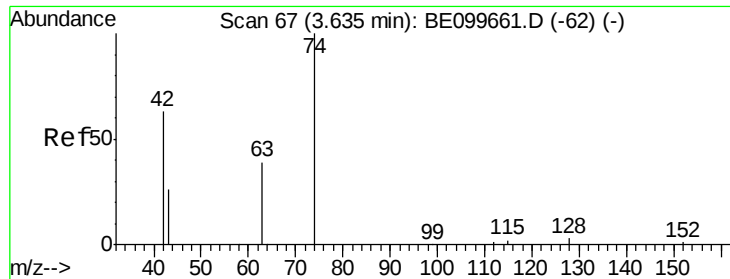
1,4-Dioxane  
Concen: 0.381 ng  
RT: 3.28 min Scan# 36  
Delta R.T. -0.02 min  
Lab File: BE099755.D  
Acq: 28 May 2019 13:47

Tgt Ion: 88 Resp: 768  
Ion Ratio Lower Upper  
88 100  
58 54.2 41.8 62.8  
43 19.9 15.0 22.4



Abundance Ion 88.00 (87.70 to 88.70): BE0  
Ion 58.00 (57.70 to 58.70): BE0  
Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.391 ng

RT: 3.61 min Scan# 65

Delta R.T. -0.02 min

Lab File: BE099755.D

Acq: 28 May 2019 13:47

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

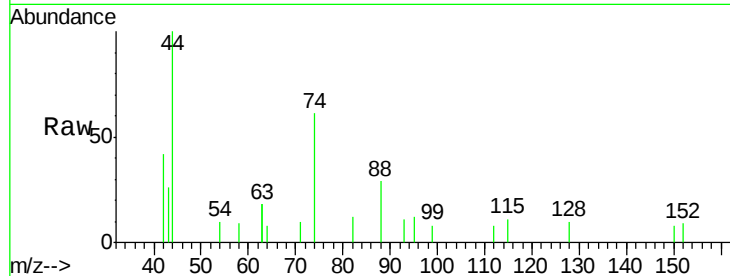
Tgt Ion: 42 Resp: 435

Ion Ratio Lower Upper

42 100

74 180.2 129.2 193.8

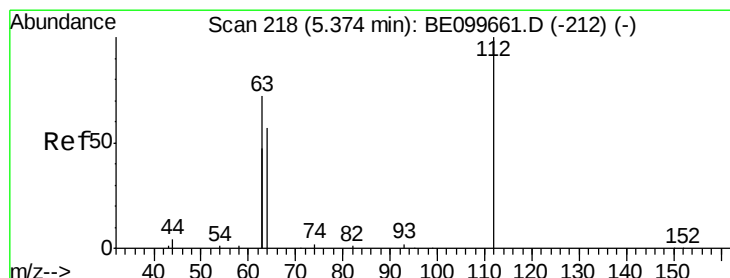
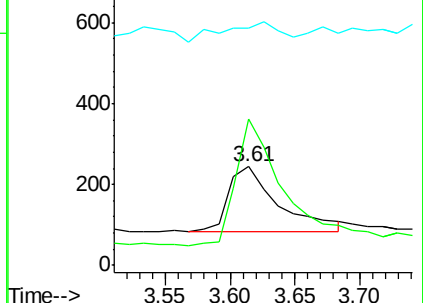
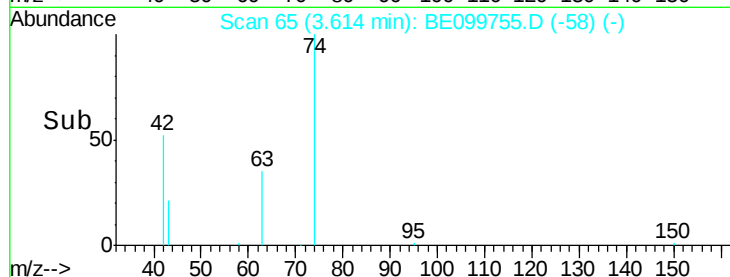
44 34.0 0.0 0.0#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.365 ng

RT: 5.36 min Scan# 217

Delta R.T. -0.01 min

Lab File: BE099755.D

Acq: 28 May 2019 13:47

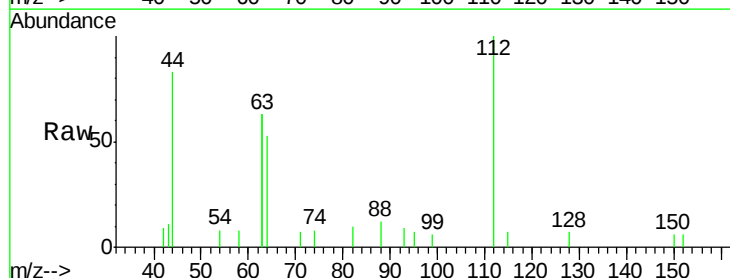
Tgt Ion: 112 Resp: 1256

Ion Ratio Lower Upper

112 100

64 56.2 43.4 65.2

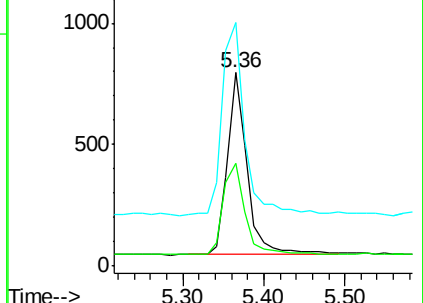
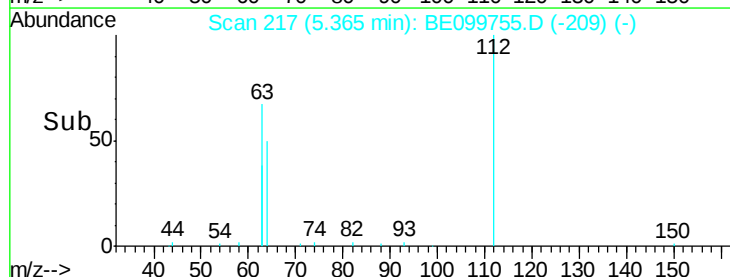
63 122.1 96.9 145.3



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.372 ng

RT: 6.97 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099755.D

Acq: 28 May 2019 13:47

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

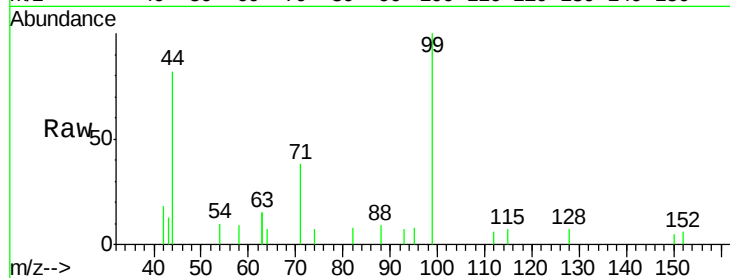
Tgt Ion: 99 Resp: 1692

Ion Ratio Lower Upper

99 100

42 15.6 12.2 18.2

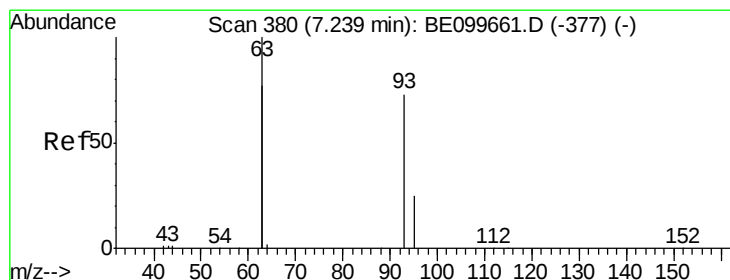
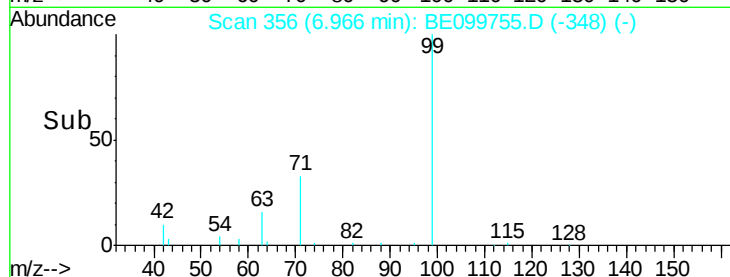
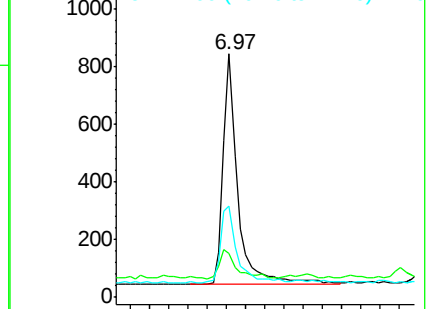
71 37.6 28.9 43.3



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.368 ng

RT: 7.23 min Scan# 379

Delta R.T. -0.01 min

Lab File: BE099755.D

Acq: 28 May 2019 13:47

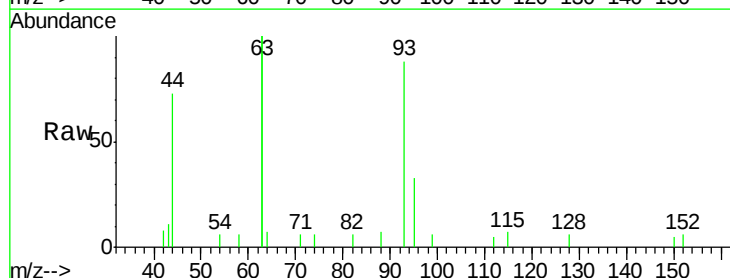
Tgt Ion: 93 Resp: 1491

Ion Ratio Lower Upper

93 100

63 267.8 207.8 311.6

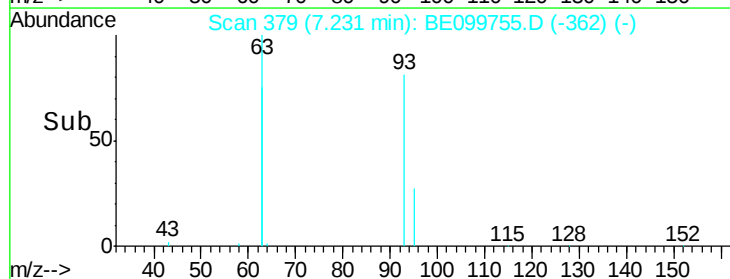
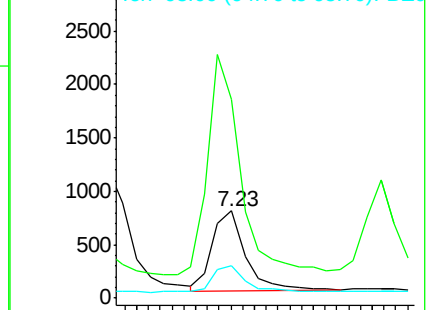
95 32.7 25.9 38.9

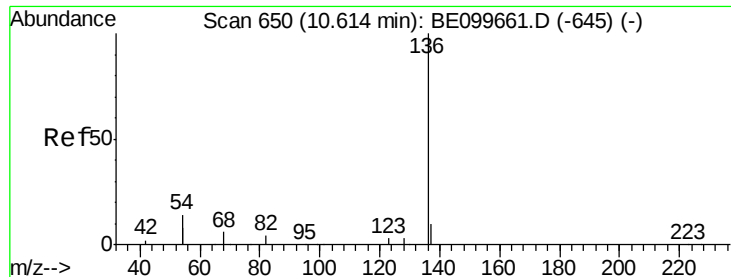


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.61 min Scan# 650

Delta R.T. 0.00 min

Lab File: BE099755.D

Acq: 28 May 2019 13:47

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

Tgt Ion:136 Resp: 5022

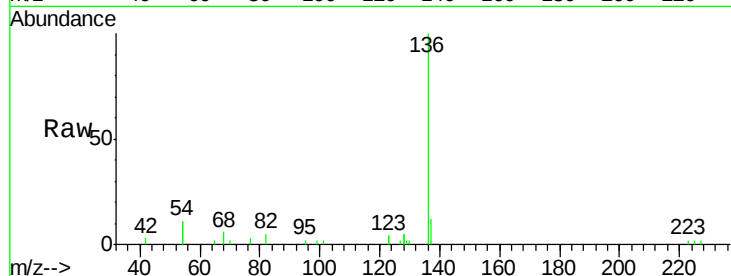
Ion Ratio Lower Upper

136 100

137 12.1 9.0 13.6

54 21.3 22.3 33.5#

68 6.2 6.0 9.0

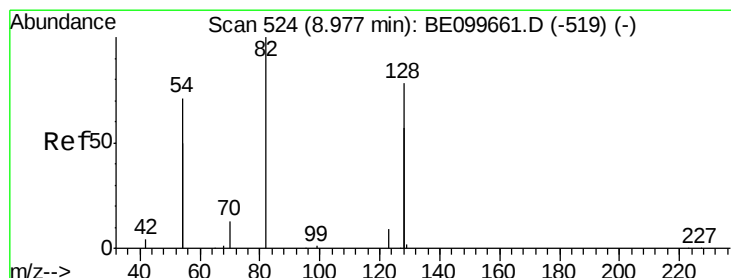
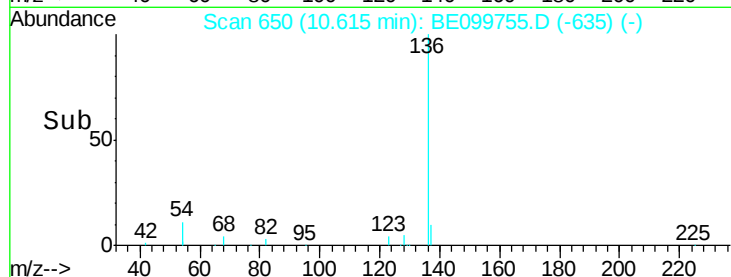
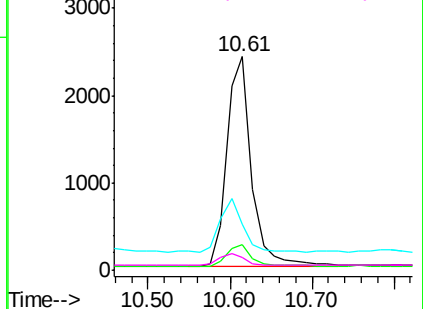


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.354 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.01 min

Lab File: BE099755.D

Acq: 28 May 2019 13:47

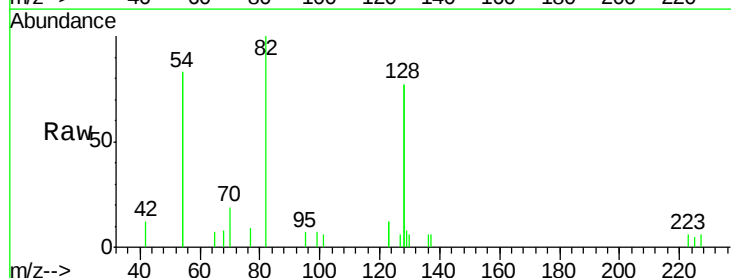
Tgt Ion: 82 Resp: 1538

Ion Ratio Lower Upper

82 100

128 153.8 117.7 176.5

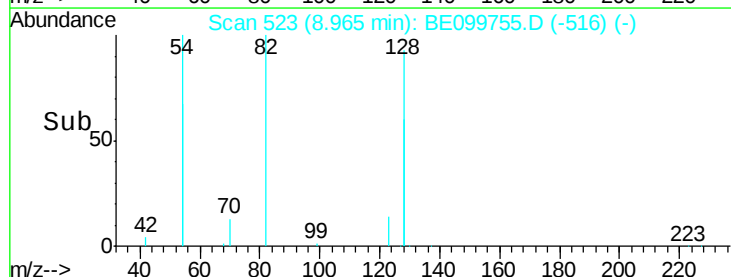
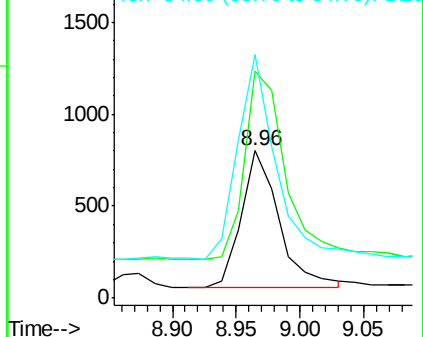
54 165.3 106.6 160.0#

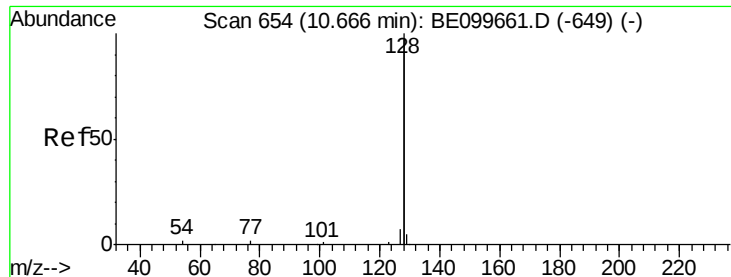


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.361 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.01 min

Lab File: BE099755.D

Acq: 28 May 2019 13:47

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

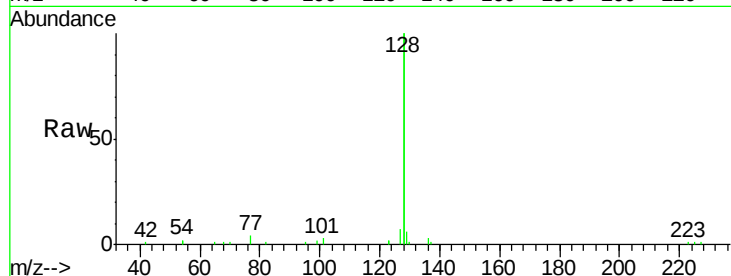
Tgt Ion:128 Resp: 19395

Ion Ratio Lower Upper

128 100

129 3.0 2.4 3.6

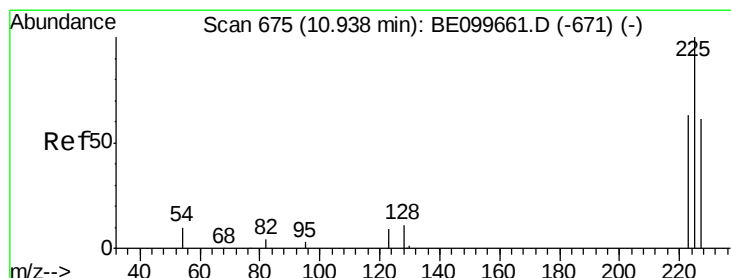
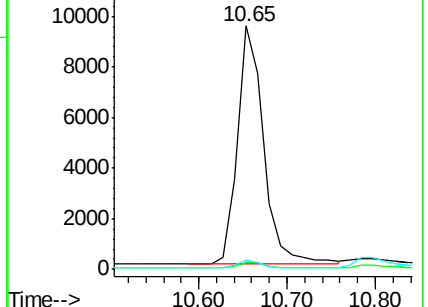
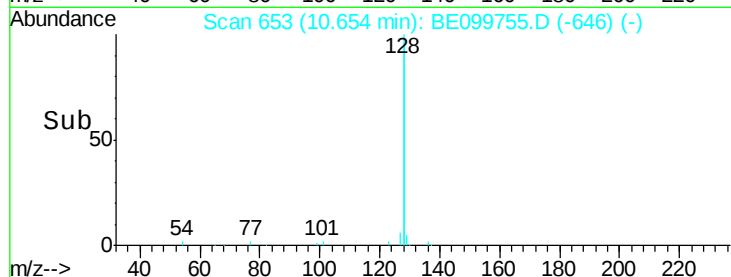
127 3.7 2.9 4.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.377 ng

RT: 10.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: BE099755.D

Acq: 28 May 2019 13:47

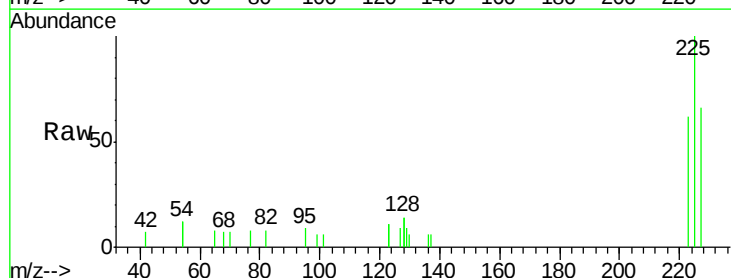
Tgt Ion:225 Resp: 1489

Ion Ratio Lower Upper

225 100

223 63.5 51.8 77.6

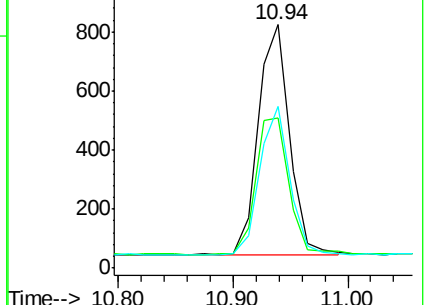
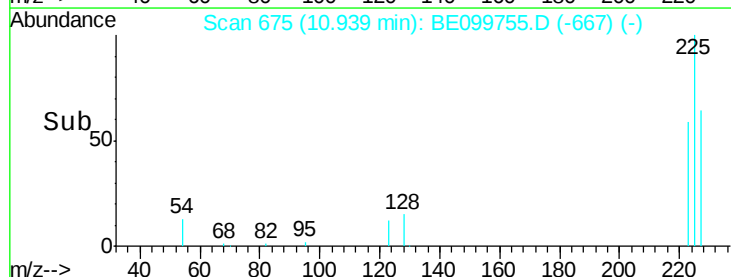
227 62.3 52.6 79.0

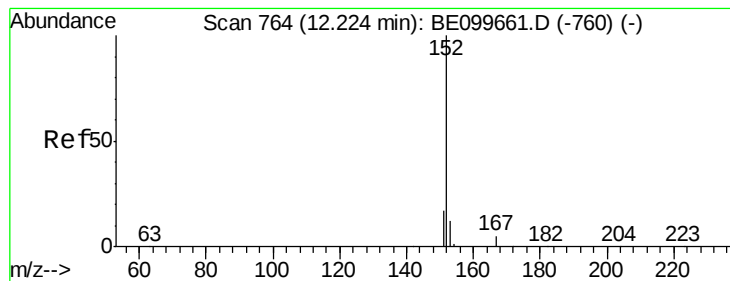


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.364 ng

RT: 12.21 min Scan# 763

Delta R.T. -0.01 min

Lab File: BE099755.D

Acq: 28 May 2019 13:47

Instrument :

BNA\_E

ClientSampleId :

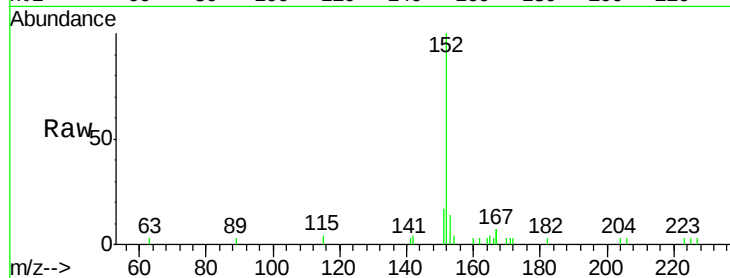
SSTDCCC0.4

Tgt Ion:152 Resp: 3155

Ion Ratio Lower Upper

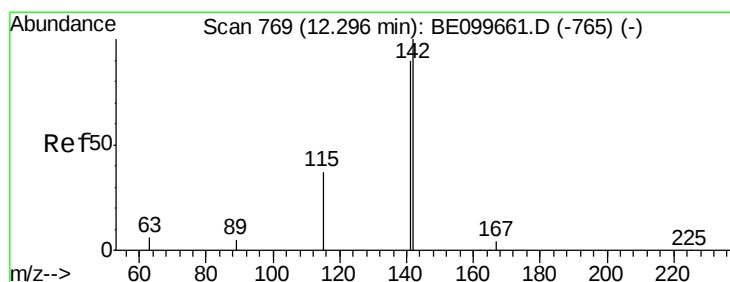
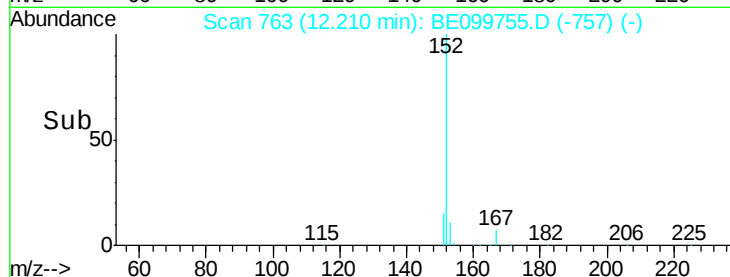
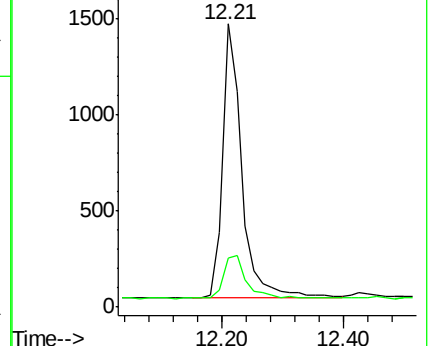
152 100

151 18.3 15.0 22.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.372 ng

RT: 12.30 min Scan# 769

Delta R.T. 0.00 min

Lab File: BE099755.D

Acq: 28 May 2019 13:47

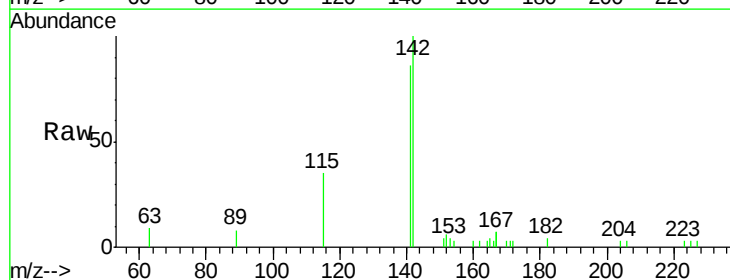
Tgt Ion:142 Resp: 3253

Ion Ratio Lower Upper

142 100

141 85.7 72.0 108.0

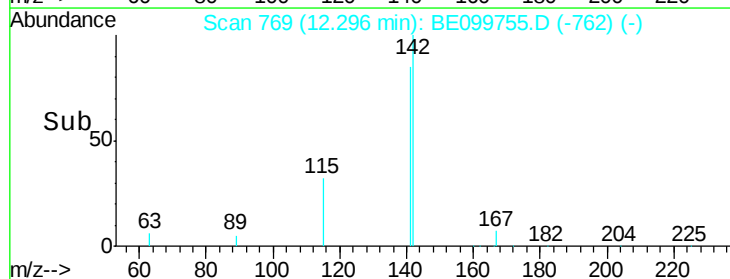
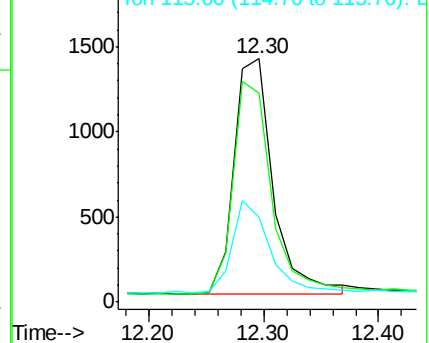
115 35.1 31.0 46.4

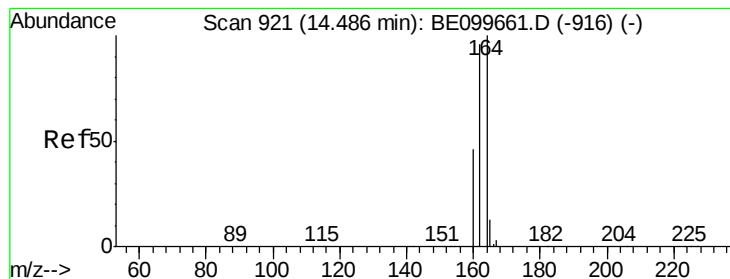


Abundance Ion 142.00 (141.70 to 142.70): E

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: BE099755.D

Acq: 28 May 2019 13:47

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

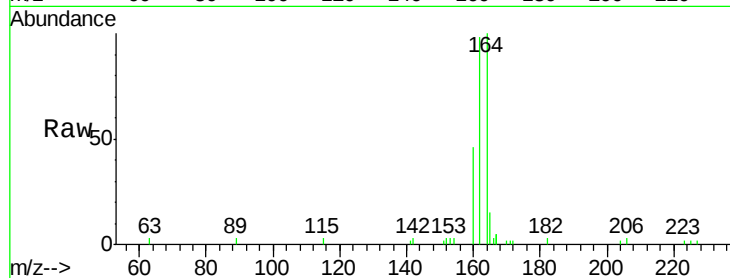
Tgt Ion:164 Resp: 3775

Ion Ratio Lower Upper

164 100

162 97.8 76.5 114.7

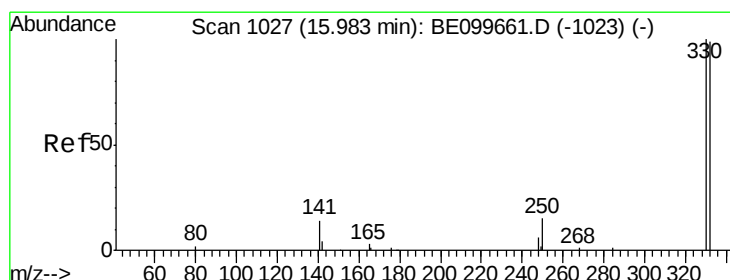
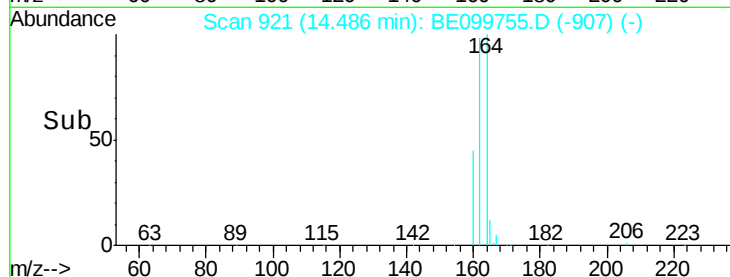
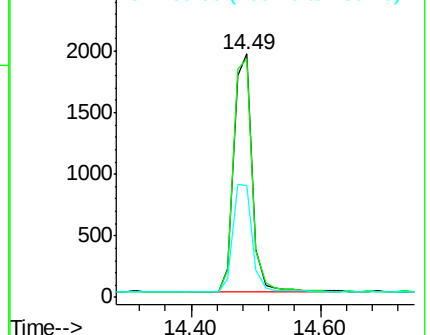
160 45.8 37.4 56.2



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: 0.396 ng

RT: 15.97 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BE099755.D

Acq: 28 May 2019 13:47

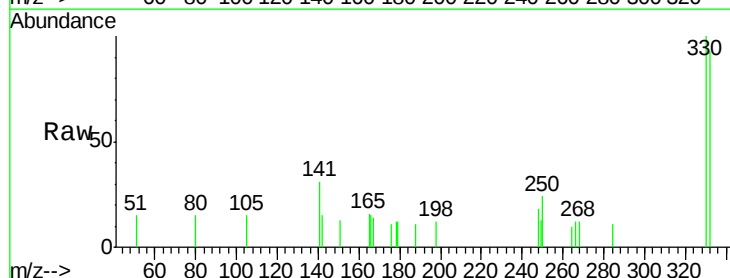
Tgt Ion:330 Resp: 761

Ion Ratio Lower Upper

330 100

332 102.5 77.3 115.9

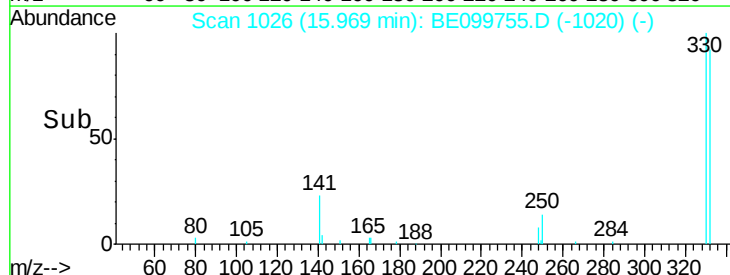
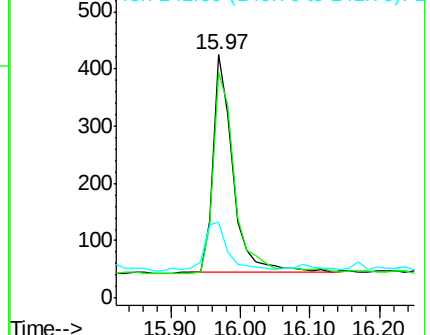
141 25.1 18.9 28.3



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

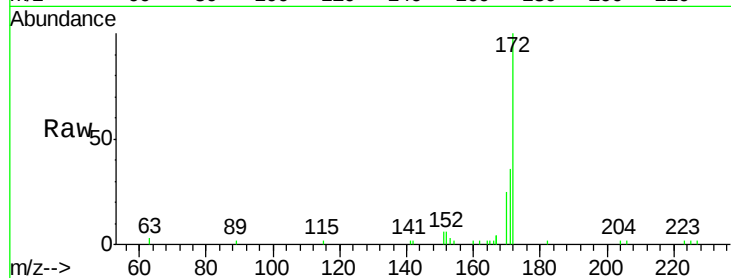




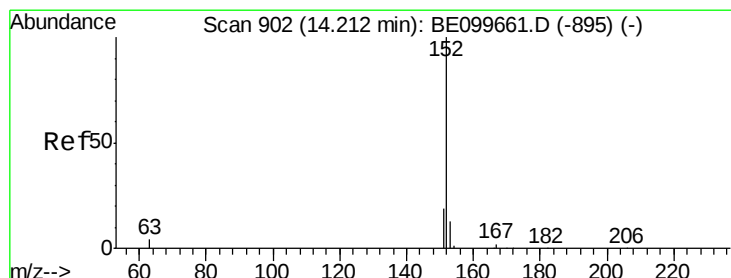
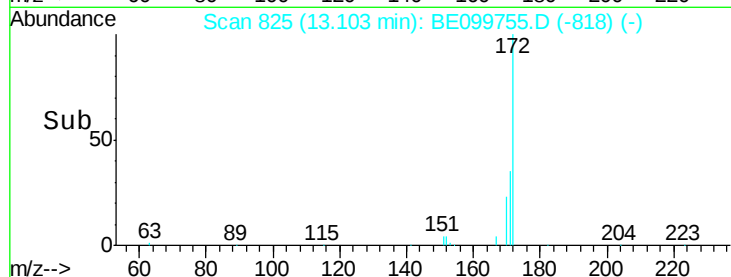
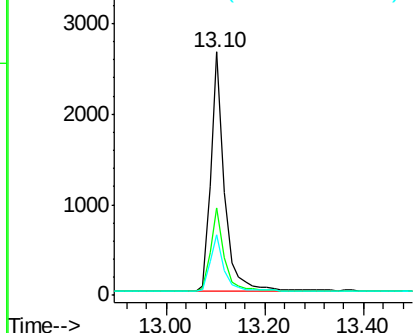
#15  
2-Fluorobiphenyl  
Concen: 0.352 ng  
RT: 13.10 min Scan# 825  
Delta R.T. 0.00 min  
Lab File: BE099755.D  
Acq: 28 May 2019 13:47

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

Tgt Ion:172 Resp: 5048  
Ion Ratio Lower Upper  
172 100  
171 35.9 28.7 43.1  
170 24.7 20.9 31.3

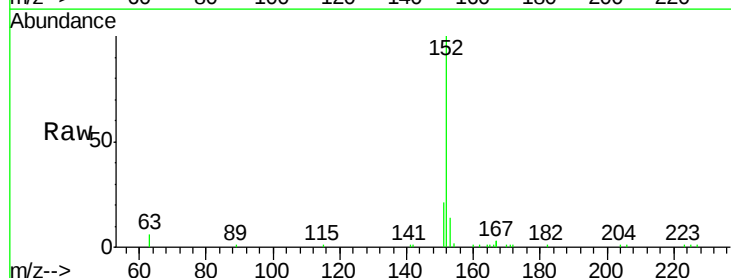


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

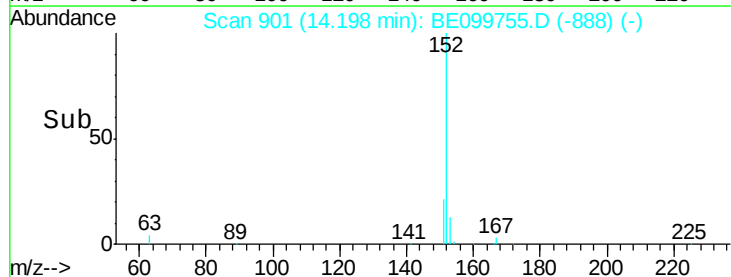
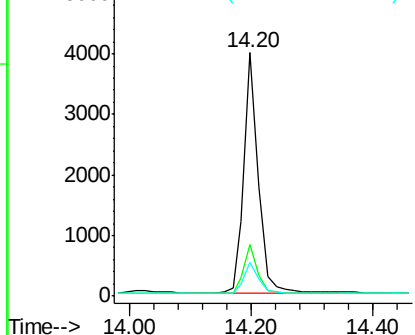


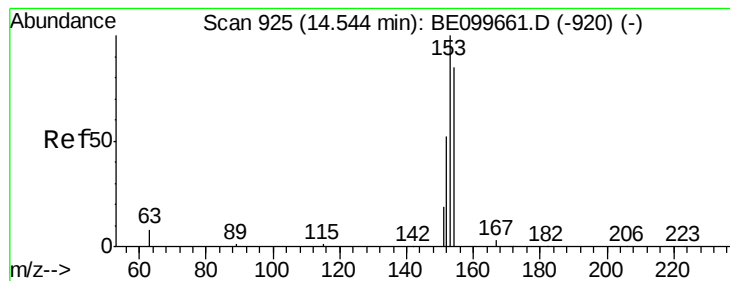
#16  
Acenaphthylene  
Concen: 0.371 ng  
RT: 14.20 min Scan# 901  
Delta R.T. -0.01 min  
Lab File: BE099755.D  
Acq: 28 May 2019 13:47

Tgt Ion:152 Resp: 6536  
Ion Ratio Lower Upper  
152 100  
151 19.8 15.9 23.9  
153 13.5 10.6 16.0



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: 0.360 ng

RT: 14.54 min Scan# 925

Delta R.T. 0.00 min

Lab File: BE099755.D

Acq: 28 May 2019 13:47

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

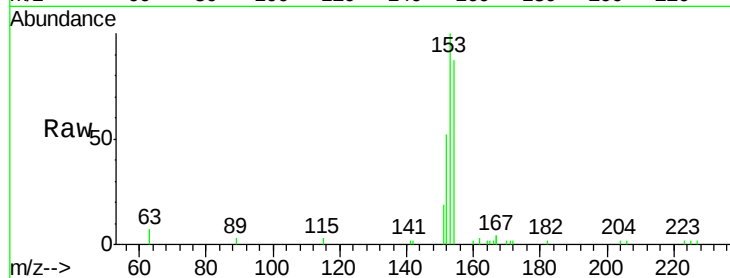
Tgt Ion:154 Resp: 3551

Ion Ratio Lower Upper

154 100

153 115.5 91.8 137.6

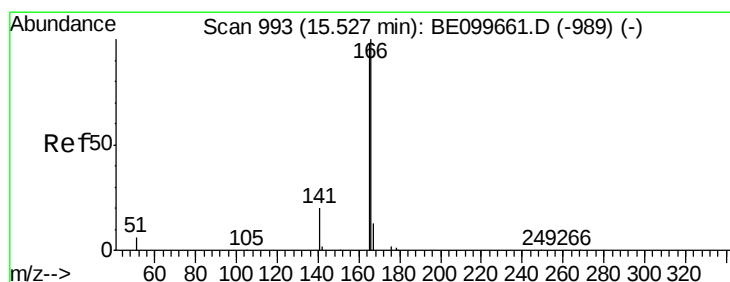
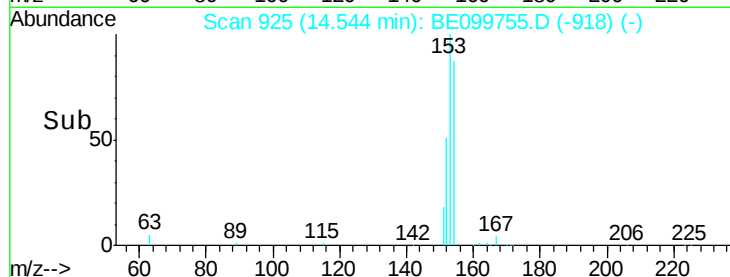
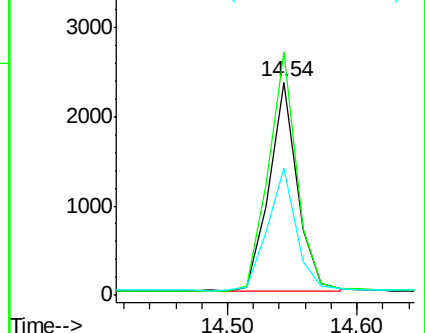
152 59.8 46.0 69.0



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: 0.366 ng

RT: 15.51 min Scan# 992

Delta R.T. -0.01 min

Lab File: BE099755.D

Acq: 28 May 2019 13:47

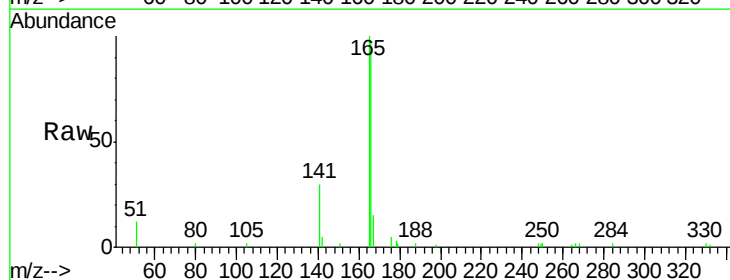
Tgt Ion:166 Resp: 5319

Ion Ratio Lower Upper

166 100

165 100.9 80.3 120.5

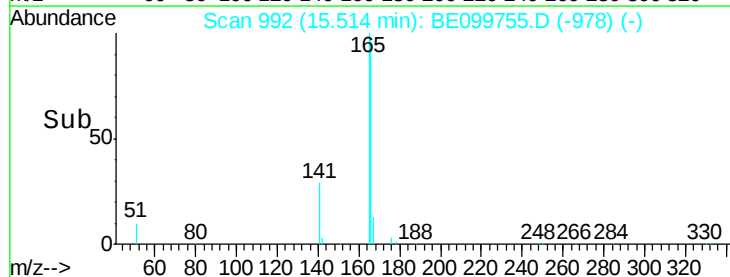
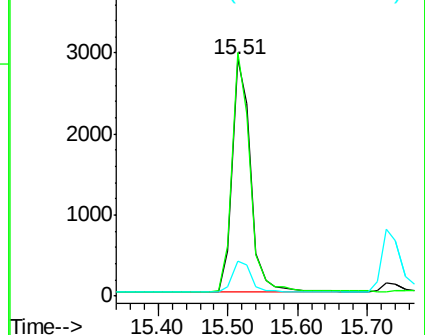
167 13.7 10.6 16.0

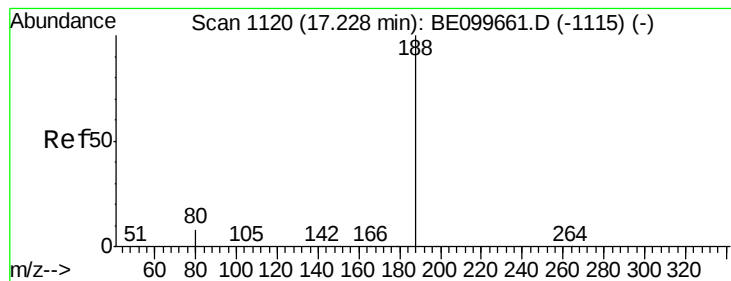


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.23 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE099755.D

Acq: 28 May 2019 13:47

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

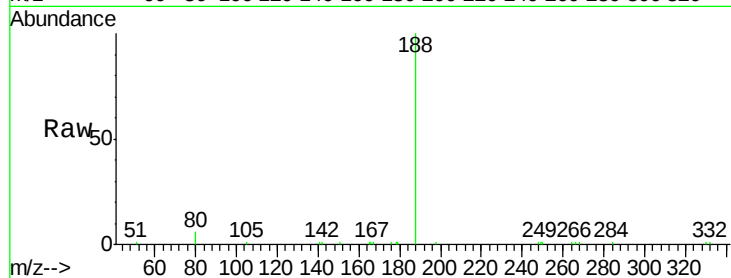
Tgt Ion:188 Resp: 12518

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

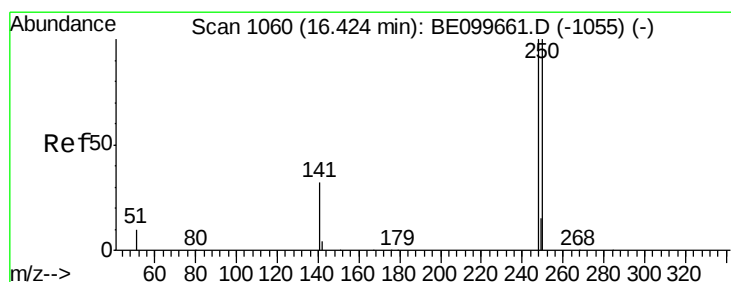
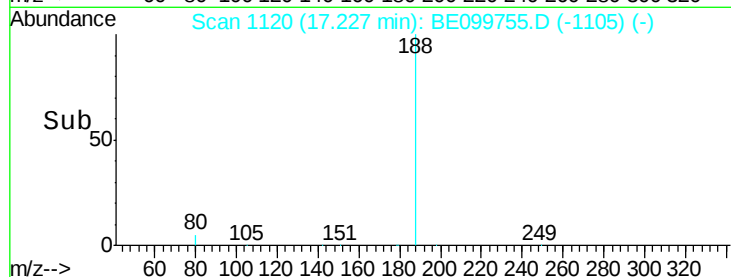
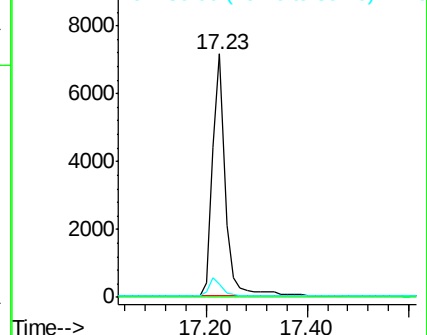
80 5.6 6.7 10.1#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.340 ng

RT: 16.41 min Scan# 1059

Delta R.T. -0.01 min

Lab File: BE099755.D

Acq: 28 May 2019 13:47

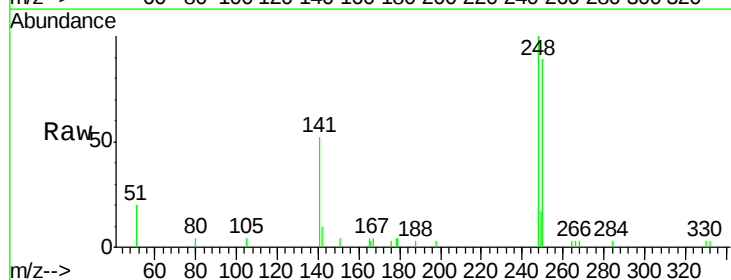
Tgt Ion:248 Resp: 2456

Ion Ratio Lower Upper

248 100

250 89.5 79.8 119.8

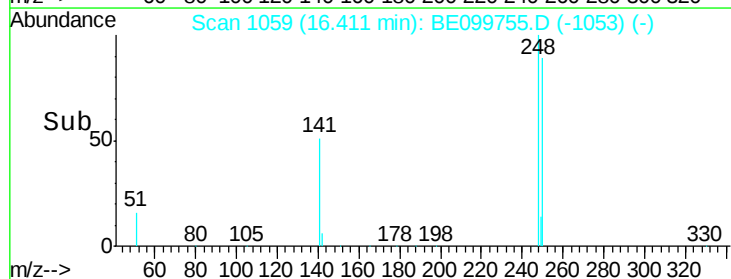
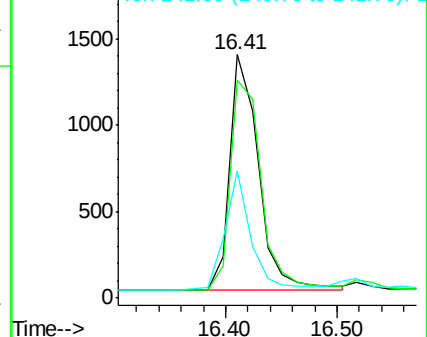
141 52.4 27.0 40.6#

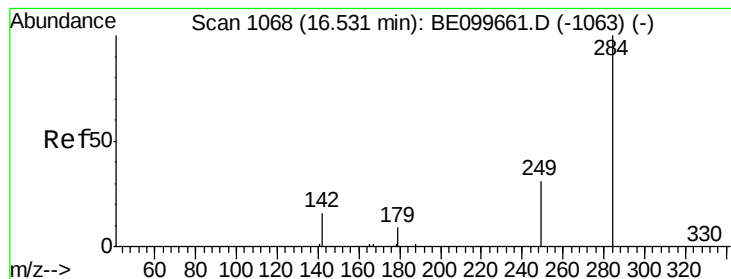


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.348 ng

RT: 16.53 min Scan# 1068

Delta R.T. -0.00 min

Lab File: BE099755.D

Acq: 28 May 2019 13:47

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

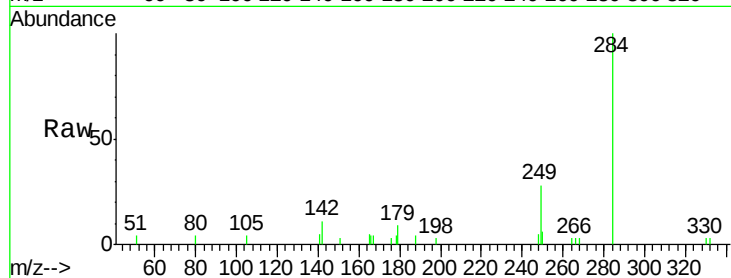
Tgt Ion:284 Resp: 2573

Ion Ratio Lower Upper

284 100

142 23.0 17.8 26.6

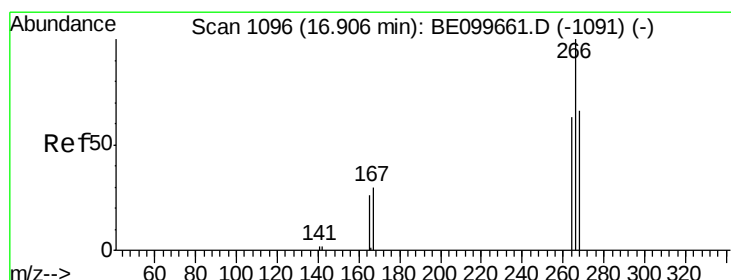
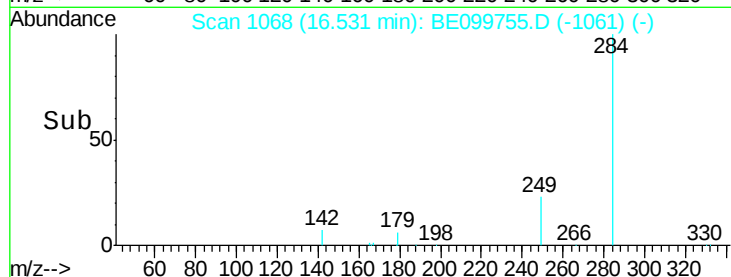
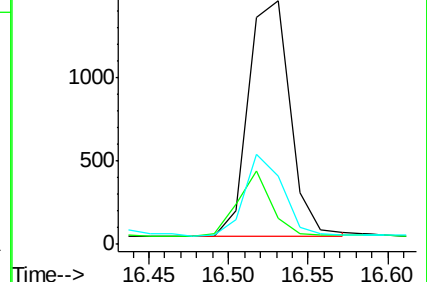
249 31.6 24.8 37.2



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: 0.605 ng

RT: 16.89 min Scan# 1095

Delta R.T. -0.01 min

Lab File: BE099755.D

Acq: 28 May 2019 13:47

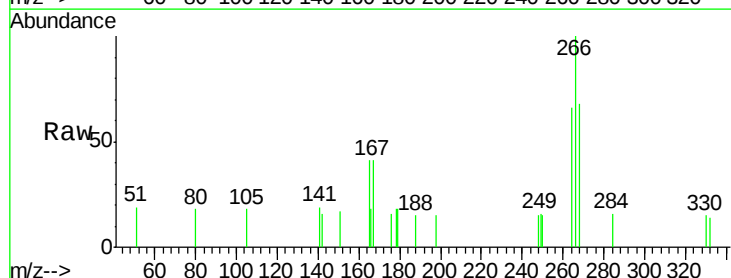
Tgt Ion:266 Resp: 990

Ion Ratio Lower Upper

266 100

264 65.8 57.2 85.8

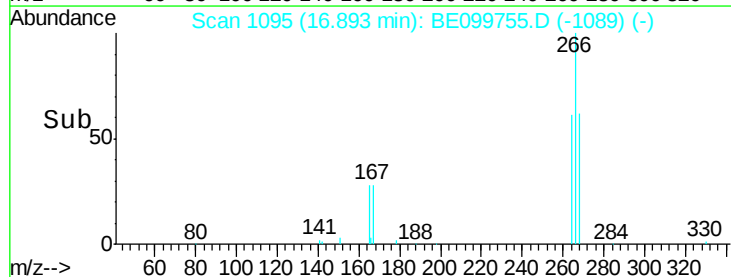
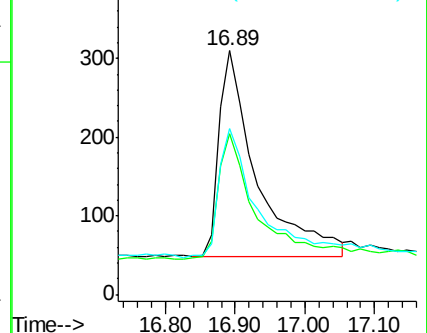
268 68.1 60.5 90.7

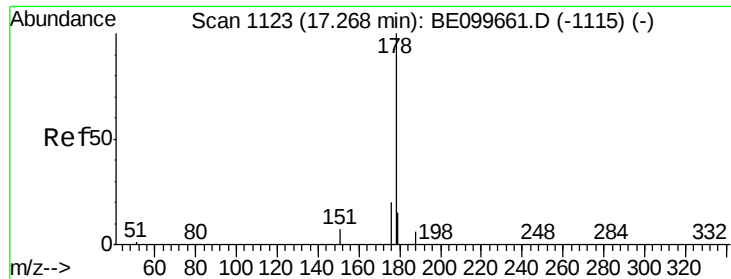


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.351 ng

RT: 17.27 min Scan# 1123

Delta R.T. -0.00 min

Lab File: BE099755.D

Acq: 28 May 2019 13:47

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

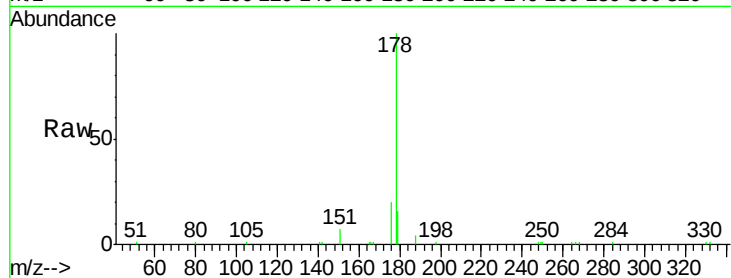
Tgt Ion:178 Resp: 10733

Ion Ratio Lower Upper

178 100

176 19.4 15.6 23.4

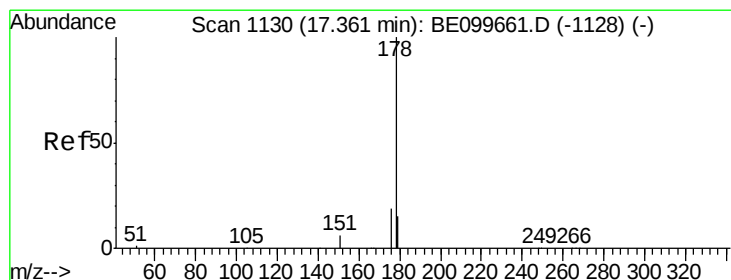
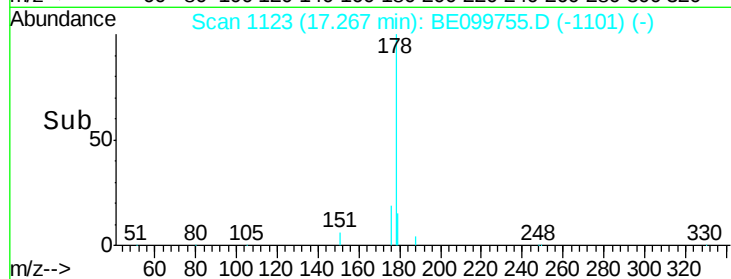
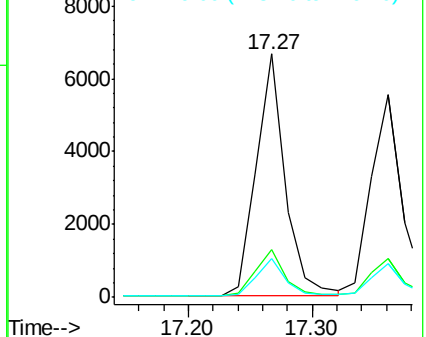
179 15.4 12.2 18.4



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



#24

Anthracene

Concen: 0.338 ng

RT: 17.36 min Scan# 1130

Delta R.T. -0.00 min

Lab File: BE099755.D

Acq: 28 May 2019 13:47

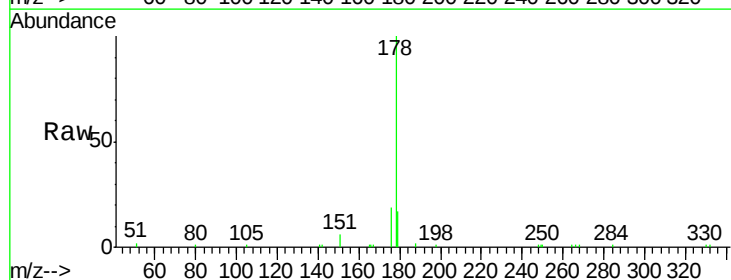
Tgt Ion:178 Resp: 9378

Ion Ratio Lower Upper

178 100

176 18.9 14.7 22.1

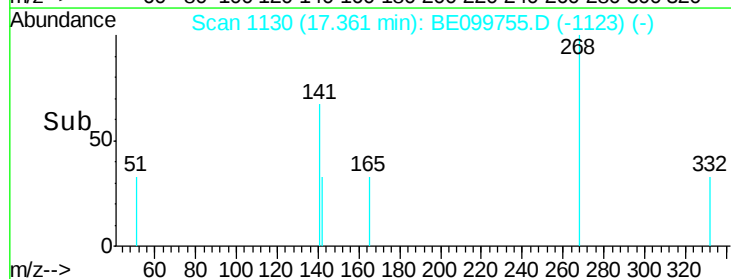
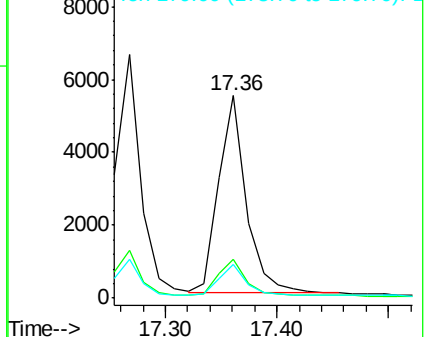
179 15.5 12.0 18.0

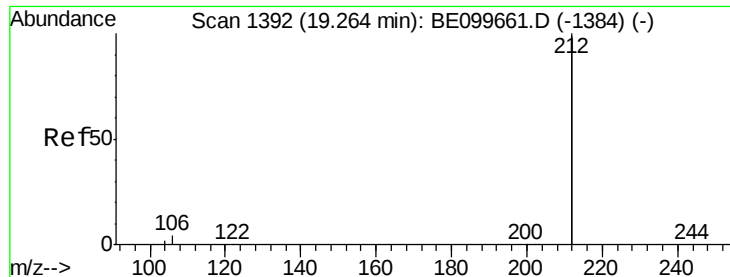


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.350 ng

RT: 19.26 min Scan# 1391

Delta R.T. -0.01 min

Lab File: BE099755.D

Acq: 28 May 2019 13:47

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

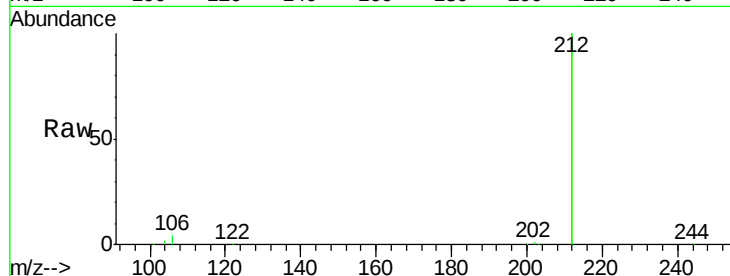
Tgt Ion:212 Resp: 59853

Ion Ratio Lower Upper

212 100

106 1.8 1.4 2.2

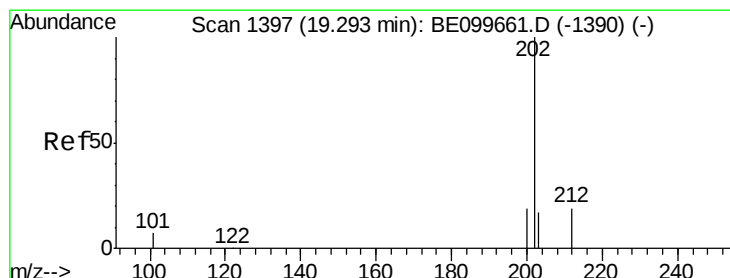
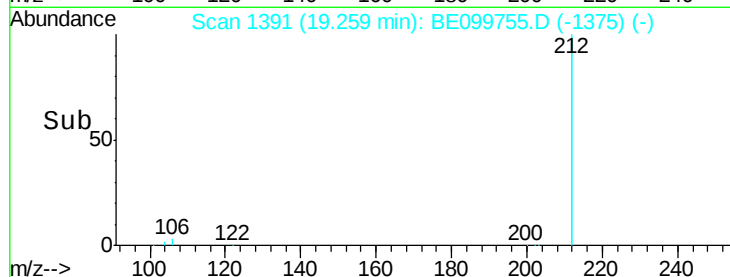
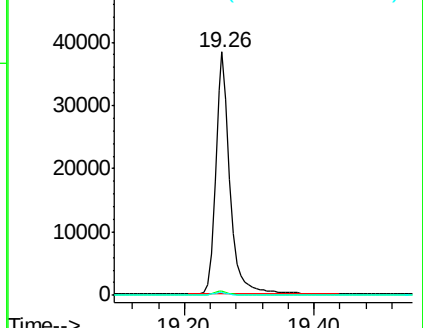
104 1.1 0.8 1.2



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.355 ng

RT: 19.29 min Scan# 1396

Delta R.T. -0.01 min

Lab File: BE099755.D

Acq: 28 May 2019 13:47

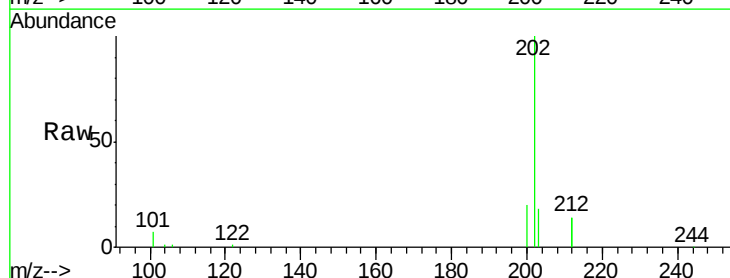
Tgt Ion:202 Resp: 17146

Ion Ratio Lower Upper

202 100

101 6.7 5.2 7.8

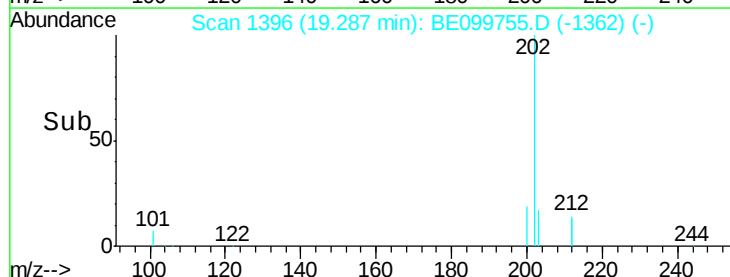
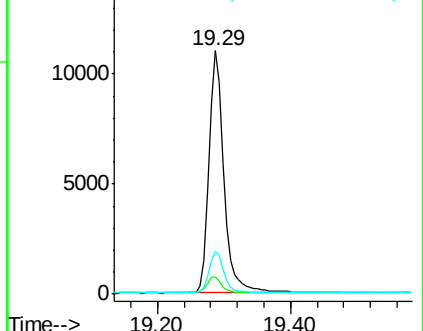
203 17.3 13.8 20.6



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

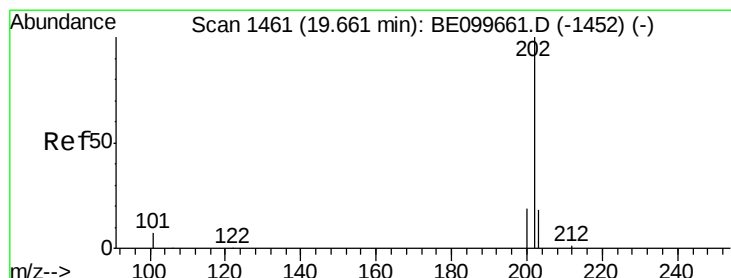
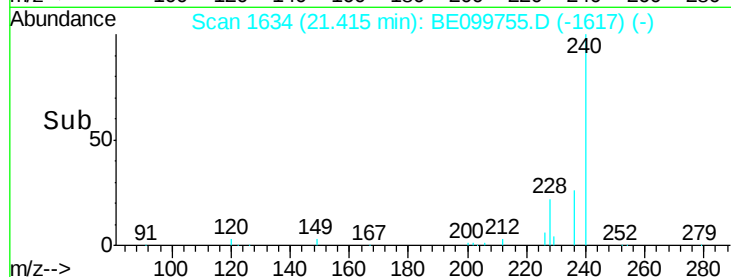
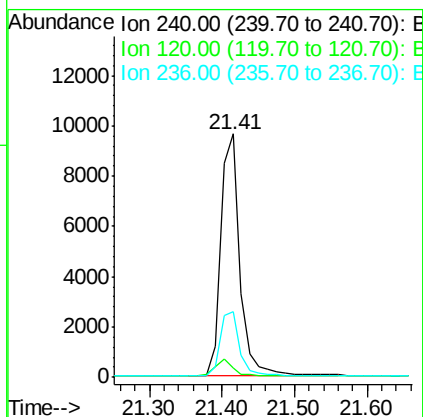
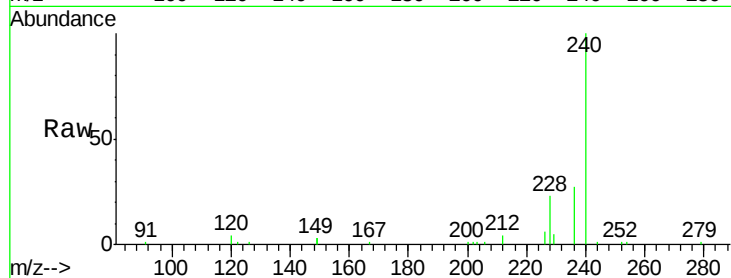




#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.41 min Scan# 1634  
 Delta R.T. -0.00 min  
 Lab File: BE099755.D  
 Acq: 28 May 2019 13:47

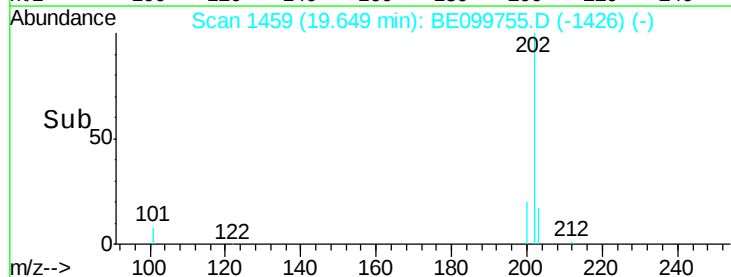
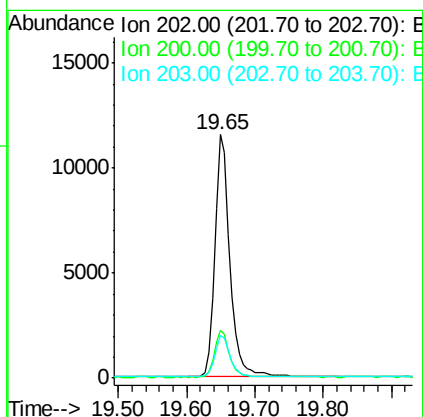
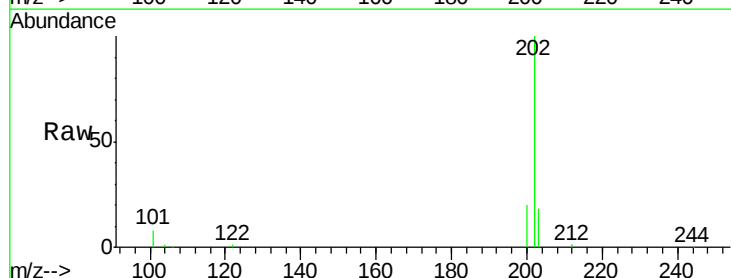
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

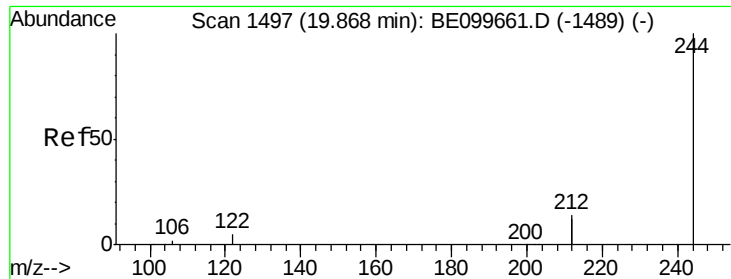
Tgt Ion:240 Resp: 18011  
 Ion Ratio Lower Upper  
 240 100  
 120 3.6 5.4 8.0#  
 236 26.8 21.7 32.5



#28  
 Pyrene  
 Concen: 0.397 ng  
 RT: 19.65 min Scan# 1459  
 Delta R.T. -0.01 min  
 Lab File: BE099755.D  
 Acq: 28 May 2019 13:47

Tgt Ion:202 Resp: 17950  
 Ion Ratio Lower Upper  
 202 100  
 200 19.2 15.4 23.2  
 203 17.6 13.8 20.8





#29

Terphenyl-d14

Concen: 0.388 ng

RT: 19.86 min Scan# 1495

Delta R.T. -0.01 min

Lab File: BE099755.D

Acq: 28 May 2019 13:47

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

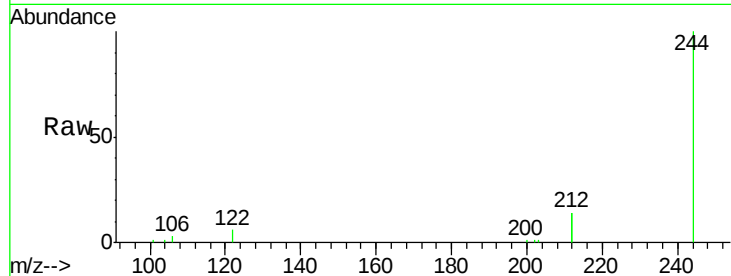
Tgt Ion:244 Resp: 12485

Ion Ratio Lower Upper

244 100

212 28.7 22.5 33.7

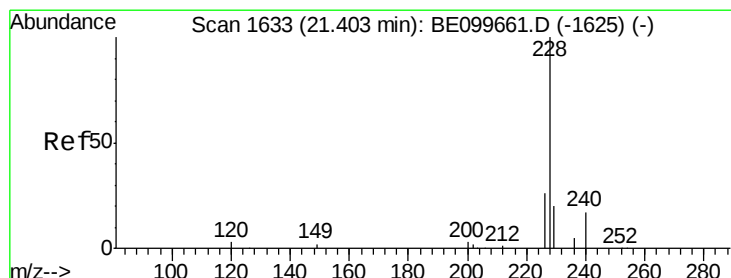
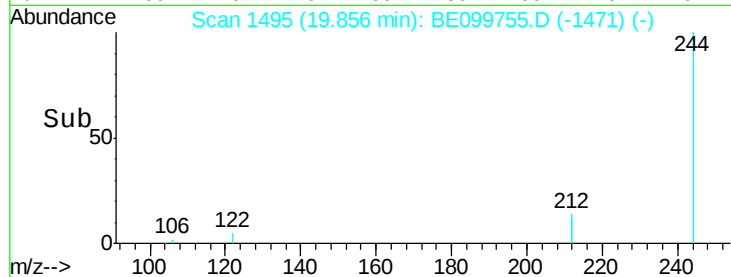
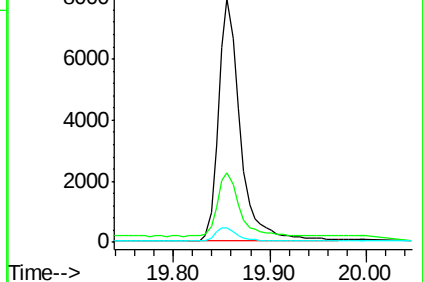
122 6.0 4.3 6.5



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: 0.411 ng

RT: 21.39 min Scan# 1632

Delta R.T. -0.01 min

Lab File: BE099755.D

Acq: 28 May 2019 13:47

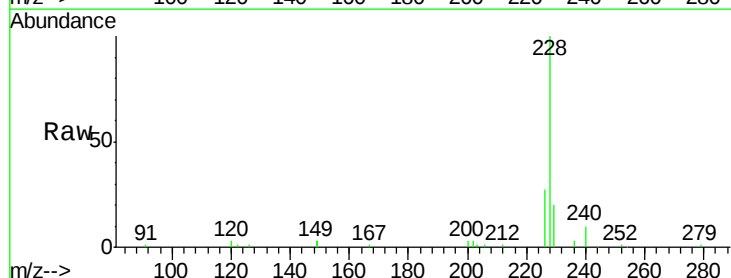
Tgt Ion:228 Resp: 21034

Ion Ratio Lower Upper

228 100

226 26.8 21.3 31.9

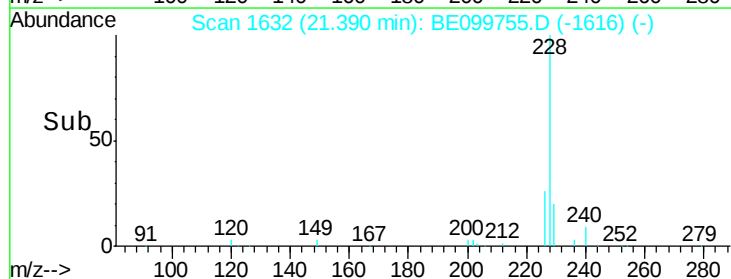
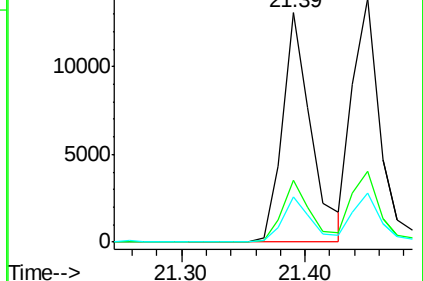
229 20.0 16.1 24.1

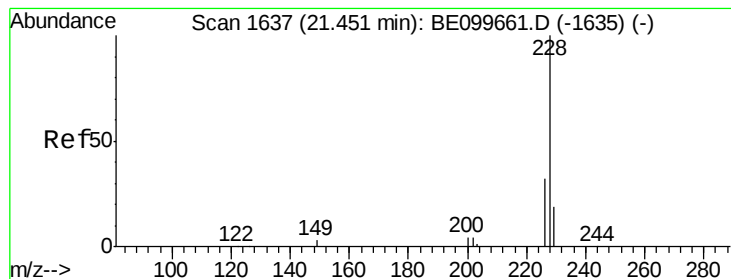


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.384 ng

RT: 21.45 min Scan# 1637

Delta R.T. 0.00 min

Lab File: BE099755.D

Acq: 28 May 2019 13:47

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

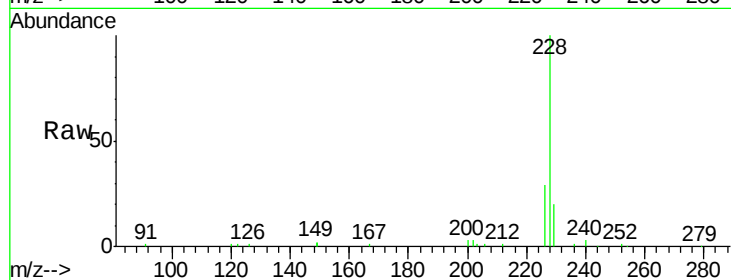
Tgt Ion:228 Resp: 21023

Ion Ratio Lower Upper

228 100

226 28.9 24.7 37.1

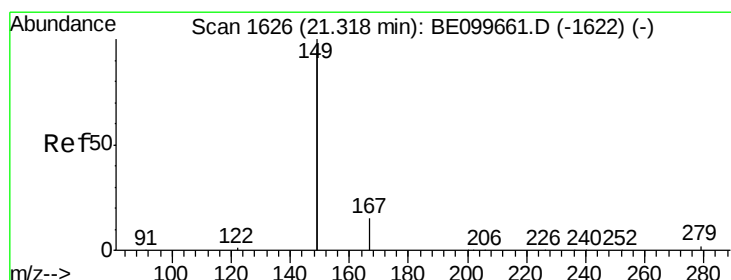
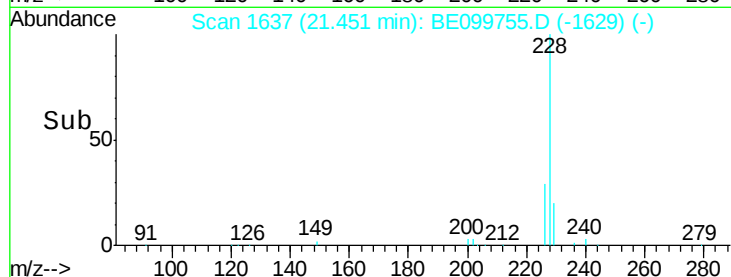
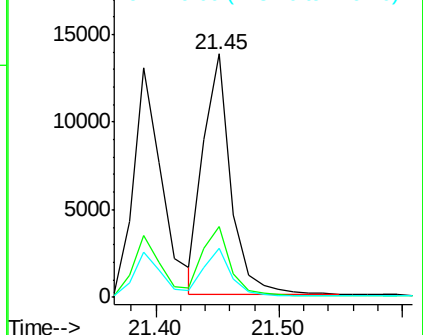
229 20.3 15.8 23.6



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: 21.31 min Scan# 1625

Delta R.T. -0.01 min

Lab File: BE099755.D

Acq: 28 May 2019 13:47

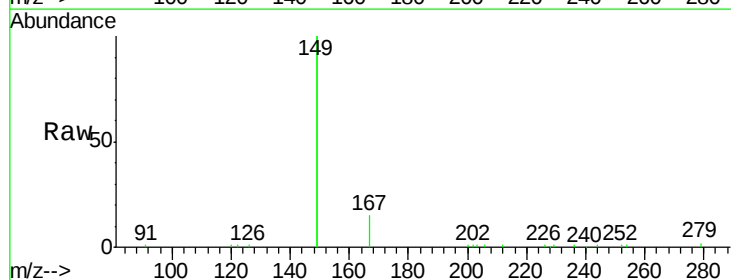
Tgt Ion:149 Resp: 23194

Ion Ratio Lower Upper

149 100

167 7.7 6.2 9.4

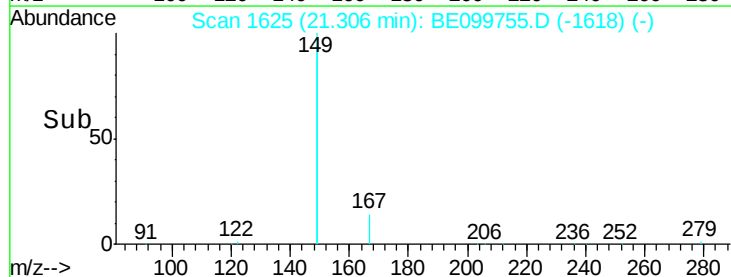
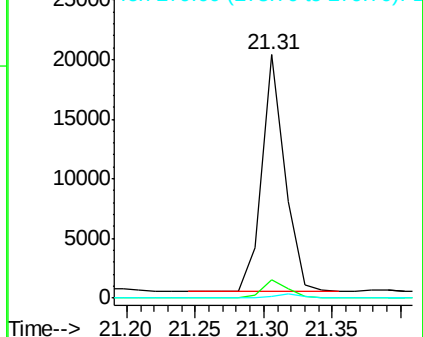
279 1.4 1.2 1.8

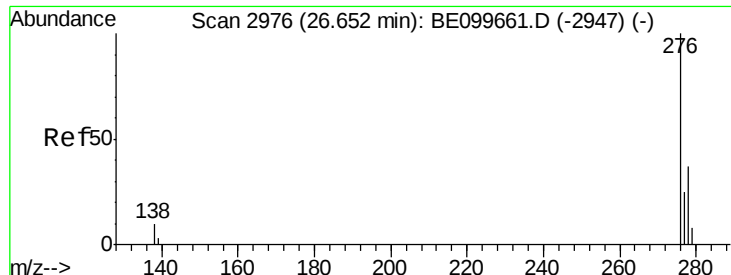


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.386 ng

RT: 26.64 min Scan# 2972

Delta R.T. -0.01 min

Lab File: BE099755.D

Acq: 28 May 2019 13:47

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

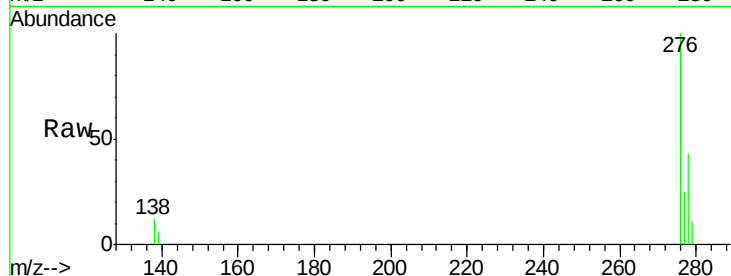
Tgt Ion:276 Resp: 25488

Ion Ratio Lower Upper

276 100

138 12.2 9.6 14.4

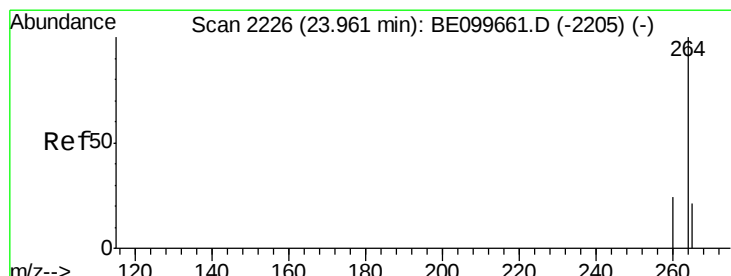
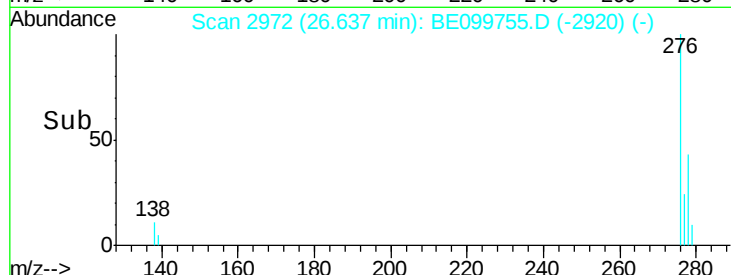
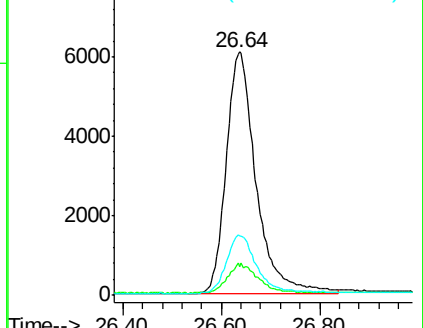
277 24.5 19.2 28.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.95 min Scan# 2222

Delta R.T. -0.01 min

Lab File: BE099755.D

Acq: 28 May 2019 13:47

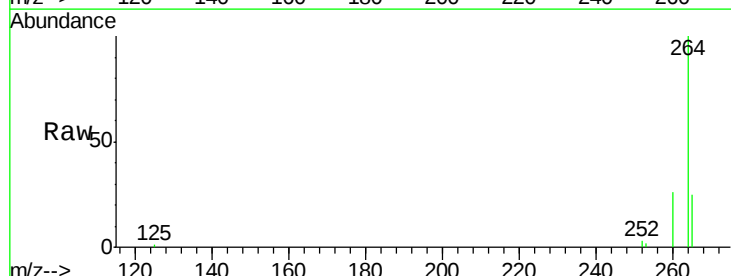
Tgt Ion:264 Resp: 21061

Ion Ratio Lower Upper

264 100

260 25.5 19.6 29.4

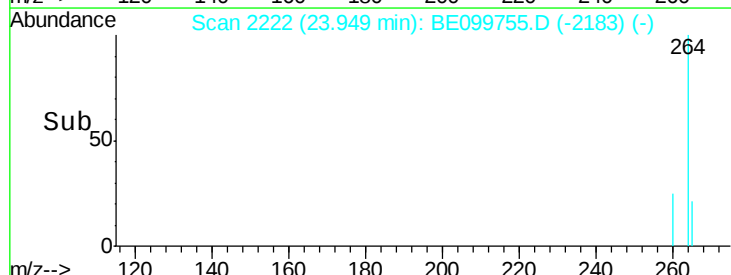
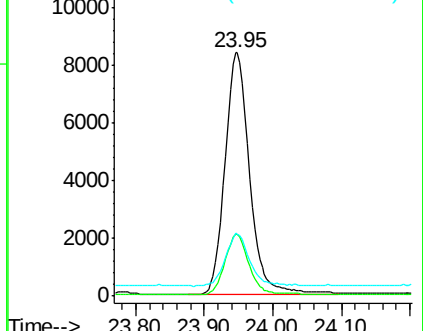
265 25.2 19.1 28.7



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: 0.366 ng

RT: 23.21 min Scan# 2016

Delta R.T. 0.04 min

Lab File: BE099755.D

Acq: 28 May 2019 13:47

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

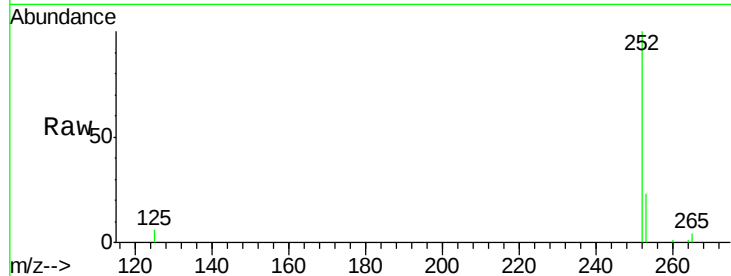
Tgt Ion:252 Resp: 21107

Ion Ratio Lower Upper

252 100

253 23.3 18.2 27.4

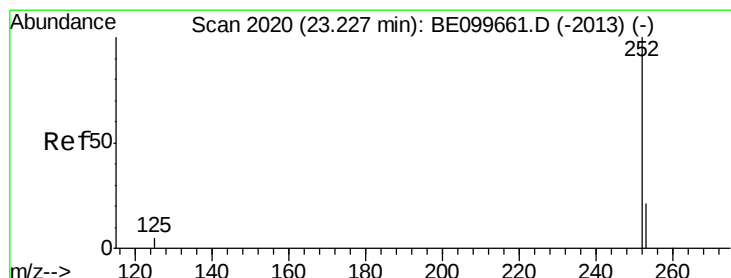
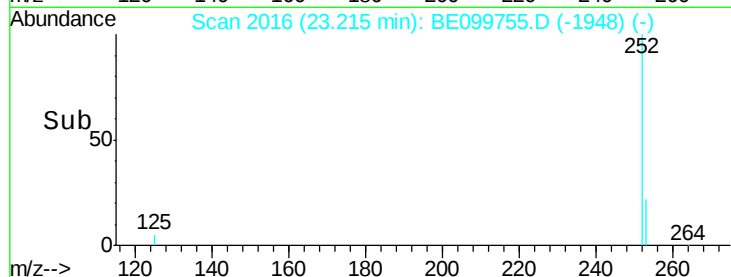
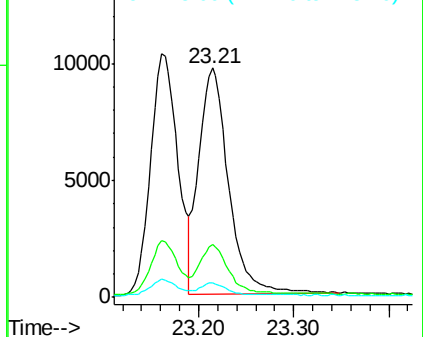
125 6.1 4.5 6.7



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



#36

Benzo(k)fluoranthene

Concen: 0.352 ng

RT: 23.21 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BE099755.D

Acq: 28 May 2019 13:47

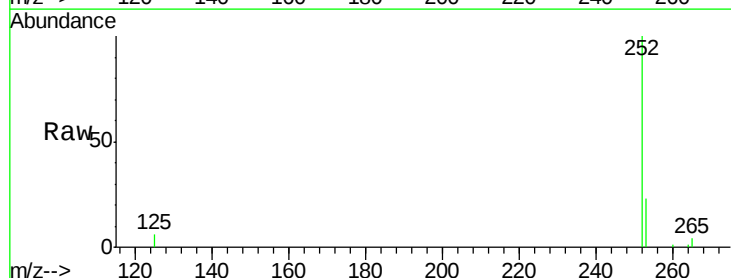
Tgt Ion:252 Resp: 21153

Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.8

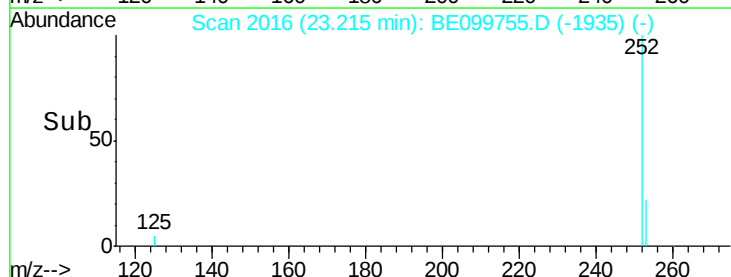
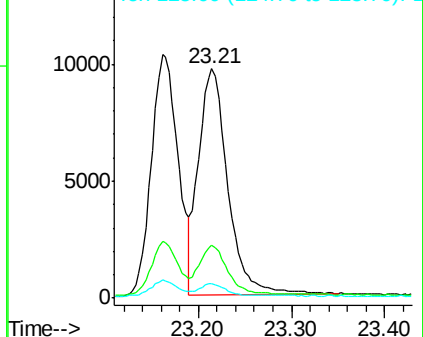
125 6.1 4.6 6.8



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





#37

Benzo(a)pyrene

Concen: 0.360 ng

RT: 23.83 min Scan# 2189

Delta R.T. -0.01 min

Lab File: BE099755.D

Acq: 28 May 2019 13:47

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

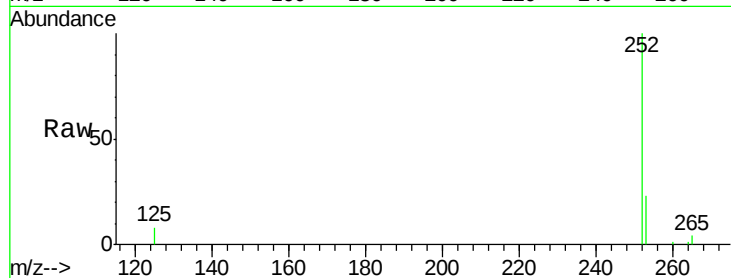
Tgt Ion:252 Resp: 20009

Ion Ratio Lower Upper

252 100

253 23.1 18.9 28.3

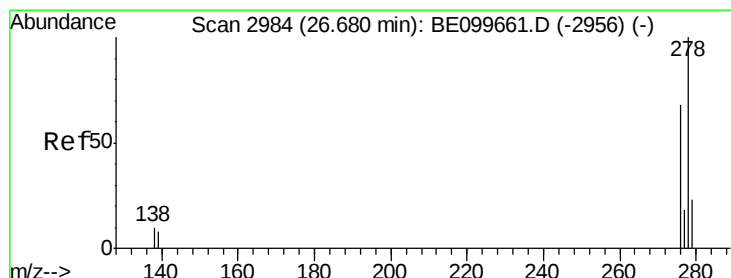
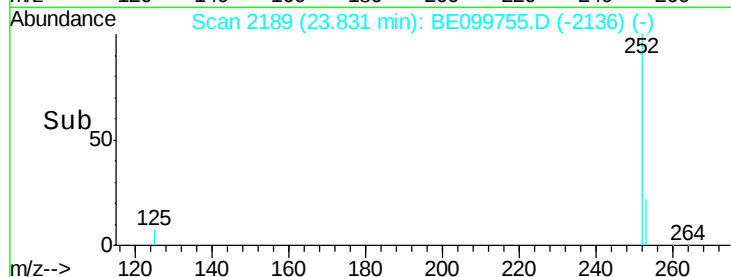
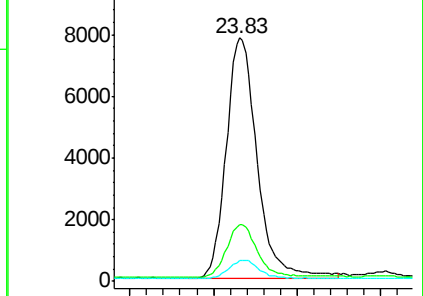
125 8.4 5.4 8.0#



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



#38

Dibenzo(a,h)anthracene

Concen: 0.350 ng

RT: 26.66 min Scan# 2979

Delta R.T. -0.02 min

Lab File: BE099755.D

Acq: 28 May 2019 13:47

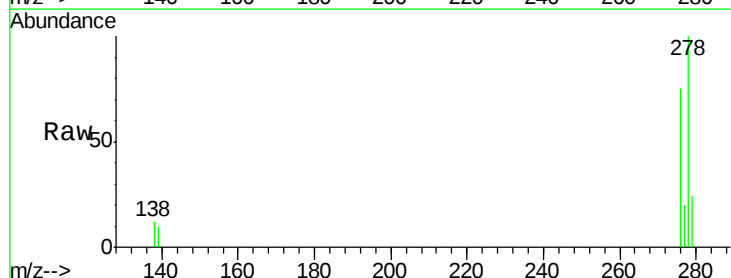
Tgt Ion:278 Resp: 20422

Ion Ratio Lower Upper

278 100

139 10.4 6.9 10.3#

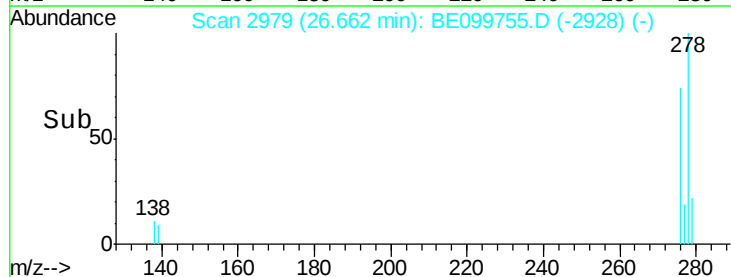
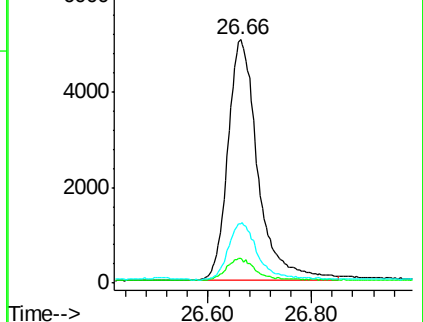
279 24.2 19.2 28.8

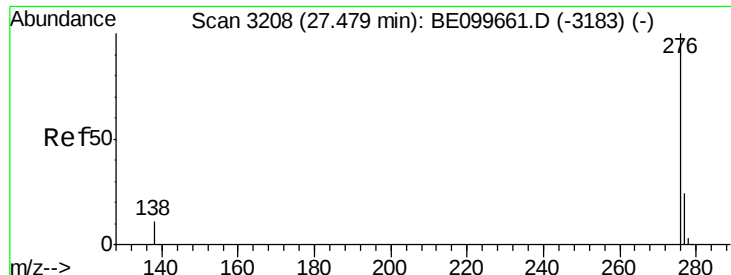


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.353 ng

RT: 27.46 min Scan# 3204

Delta R.T. -0.01 min

Lab File: BE099755.D

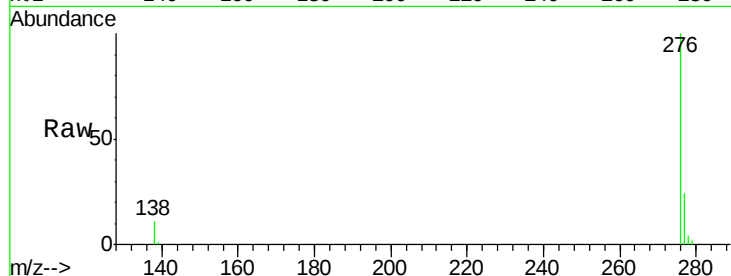
Acq: 28 May 2019 13:47

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4



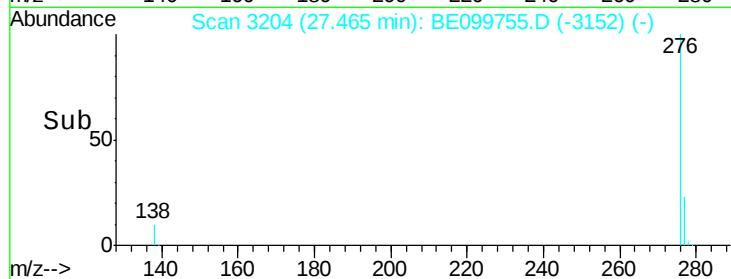
Tgt Ion: 276 Resp: 20810

Ion Ratio Lower Upper

276 100

277 24.1 19.8 29.6

138 11.3 9.2 13.8



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

