

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE040219\  
 Data File : BE099273.D  
 Acq On : 2 Apr 2019 13:51  
 Operator : JU/SJ  
 Sample : SSTDICC0.8  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.8

Quant Time: Apr 02 15:48:18 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE040219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 02 14:00:50 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.82  | 152  | 3159     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.61 | 136  | 11888    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.46 | 164  | 8089     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.19 | 188  | 24251    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.37 | 240  | 35255    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.86 | 264  | 36875    | 0.40 | ng    | 0.00     |

|                             |       |     |        |      |    |       |
|-----------------------------|-------|-----|--------|------|----|-------|
| System Monitoring Compounds |       |     |        |      |    |       |
| 4) 2-Fluorophenol           | 5.38  | 112 | 6958   | 0.74 | ng | 0.00  |
| 5) Phenol-d6                | 6.97  | 99  | 9552   | 0.66 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 8.96  | 82  | 6472   | 0.67 | ng | 0.00  |
| 11) 2-Methylnaphthalene-d10 | 12.20 | 152 | 17298  | 0.76 | ng | -0.01 |
| 14) 2,4,6-Tribromophenol    | 15.94 | 330 | 2945   | 1.03 | ng | 0.00  |
| 15) 2-Fluorobiphenyl        | 13.09 | 172 | 26732  | 0.81 | ng | 0.00  |
| 25) Fluoranthene-d10        | 19.22 | 212 | 258205 | 0.88 | ng | 0.00  |
| 29) Terphenyl-d14           | 19.82 | 244 | 53166  | 0.69 | ng | 0.00  |

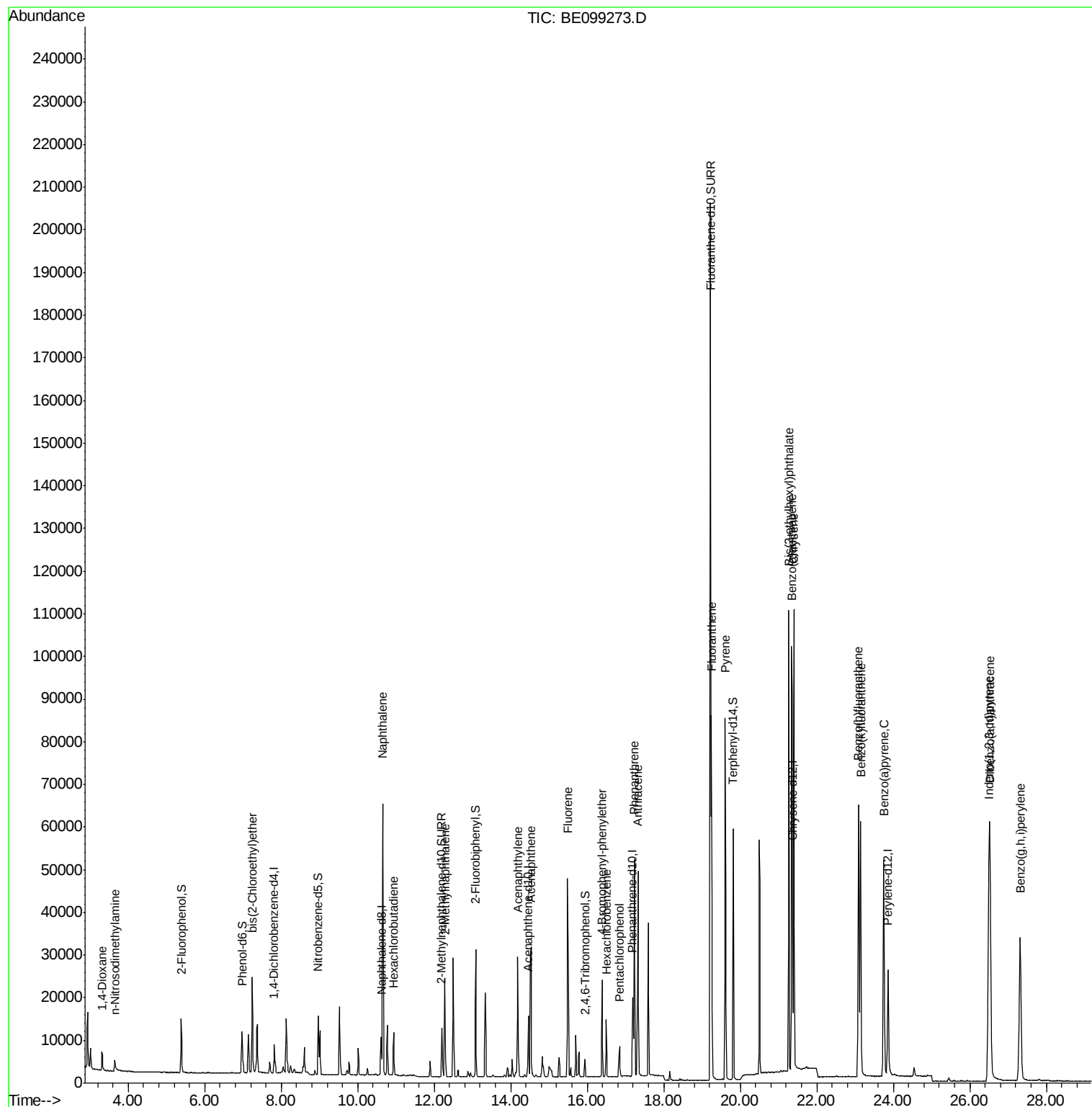
|                                |       |     |        |        |    |      |
|--------------------------------|-------|-----|--------|--------|----|------|
| Target Compounds               |       |     |        | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.32  | 88  | 3532   | 0.848  | ng | 90   |
| 3) n-Nitrosodimethylamine      | 3.65  | 42  | 1920   | 0.824  | ng | # 90 |
| 6) bis(2-Chloroethyl)ether     | 7.24  | 93  | 8518   | 0.752  | ng | 99   |
| 9) Naphthalene                 | 10.65 | 128 | 105833 | 0.755  | ng | 100  |
| 10) Hexachlorobutadiene        | 10.94 | 225 | 6849   | 0.917  | ng | 99   |
| 12) 2-Methylnaphthalene        | 12.28 | 142 | 18192  | 0.726  | ng | 97   |
| 16) Acenaphthylene             | 14.18 | 152 | 31412  | 0.762  | ng | 98   |
| 17) Acenaphthene               | 14.53 | 154 | 18936  | 0.768  | ng | 99   |
| 18) Fluorene                   | 15.49 | 166 | 27305  | 0.787  | ng | 98   |
| 20) 4-Bromophenyl-phenylether  | 16.39 | 248 | 11084  | 0.708  | ng | 97   |
| 21) Hexachlorobenzene          | 16.49 | 284 | 10752  | 0.711  | ng | 99   |
| 22) Pentachlorophenol          | 16.84 | 266 | 3906   | 1.960  | ng | 95   |
| 23) Phenanthrene               | 17.23 | 178 | 51697  | 0.726  | ng | 100  |
| 24) Anthracene                 | 17.32 | 178 | 48048  | 0.747  | ng | 99   |
| 26) Fluoranthene               | 19.25 | 202 | 74824  | 0.823  | ng | 99   |
| 28) Pyrene                     | 19.61 | 202 | 76850  | 0.656  | ng | 100  |
| 30) Benzo(a)anthracene         | 21.34 | 228 | 90947  | 0.782  | ng | 100  |
| 31) Chrysene                   | 21.40 | 228 | 89345  | 0.719  | ng | 100  |
| 32) Bis(2-ethylhexyl)phthalate | 21.27 | 149 | 108805 | 0.784  | ng | 100  |
| 33) Indeno(1,2,3-cd)pyrene     | 26.49 | 276 | 103797 | 0.882  | ng | 100  |
| 35) Benzo(b)fluoranthene       | 23.09 | 252 | 87756  | 0.723  | ng | # 97 |
| 36) Benzo(k)fluoranthene       | 23.14 | 252 | 88421  | 0.689  | ng | 99   |
| 37) Benzo(a)pyrene             | 23.75 | 252 | 83405  | 0.736  | ng | 98   |
| 38) Dibenzo(a,h)anthracene     | 26.53 | 278 | 84957  | 0.844  | ng | 98   |
| 39) Benzo(g,h,i)perylene       | 27.31 | 276 | 84599  | 0.838  | ng | 99   |

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

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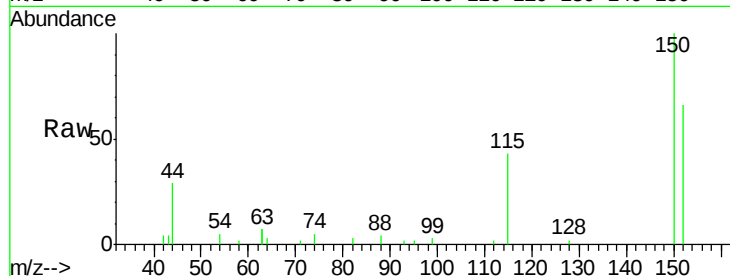


#1

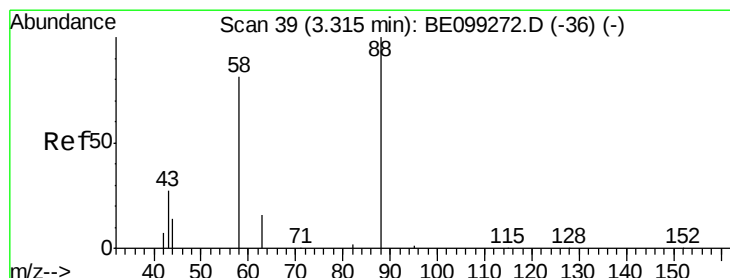
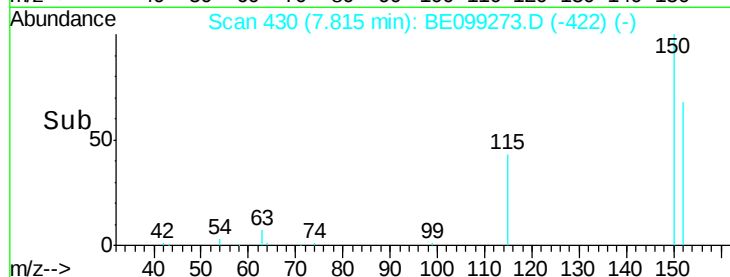
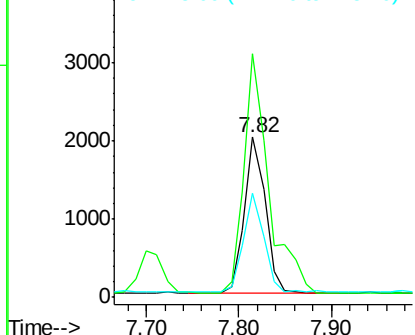
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.82 min Scan# 430  
Delta R.T. -0.00 min  
Lab File: BE099273.D  
Acq: 2 Apr 2019 13:51

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.8

Tgt Ion:152 Resp: 3159  
Ion Ratio Lower Upper  
152 100  
150 152.3 118.6 178.0  
115 65.3 47.6 71.4



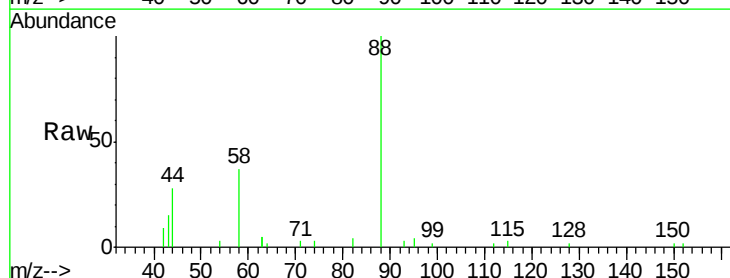
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



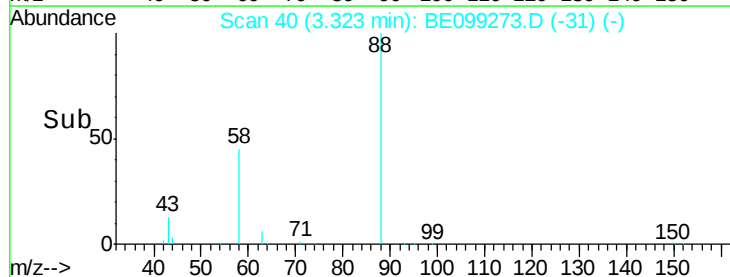
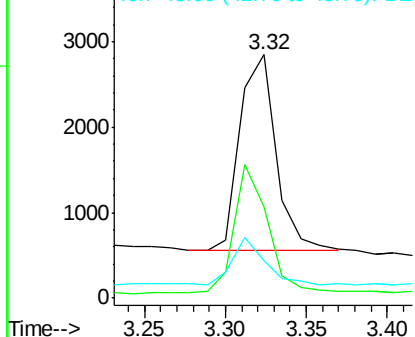
#2

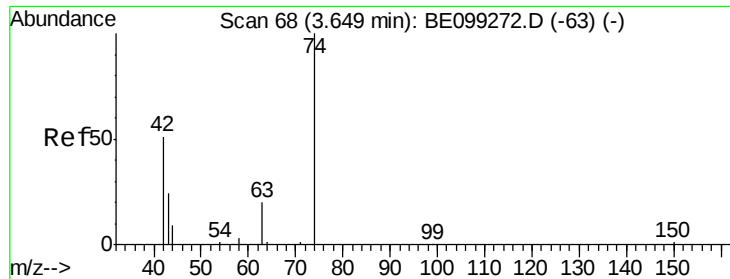
1,4-Dioxane  
Concen: 0.848 ng  
RT: 3.32 min Scan# 40  
Delta R.T. 0.01 min  
Lab File: BE099273.D  
Acq: 2 Apr 2019 13:51

Tgt Ion: 88 Resp: 3532  
Ion Ratio Lower Upper  
88 100  
58 61.6 43.0 64.4  
43 21.1 14.8 22.2



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: 0.824 ng

RT: 3.65 min Scan# 68

Delta R.T. -0.00 min

Lab File: BE099273.D

Acq: 2 Apr 2019 13:51

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.8

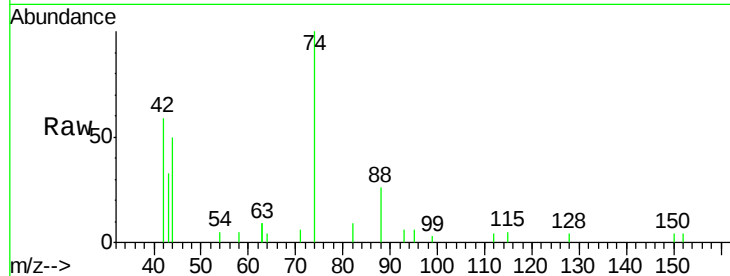
Tgt Ion: 42 Resp: 1920

Ion Ratio Lower Upper

42 100

74 181.0 133.8 200.8

44 9.3 0.0 0.0#

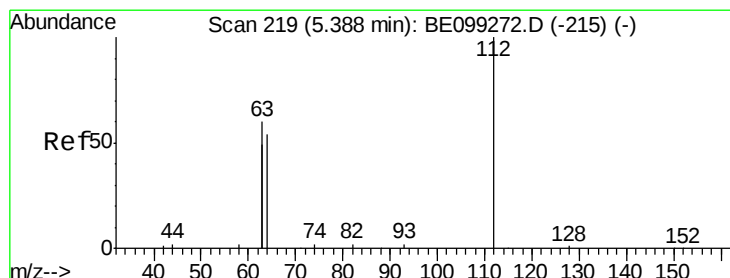
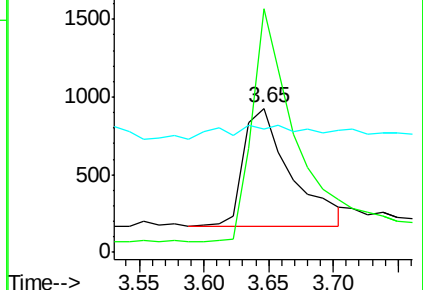
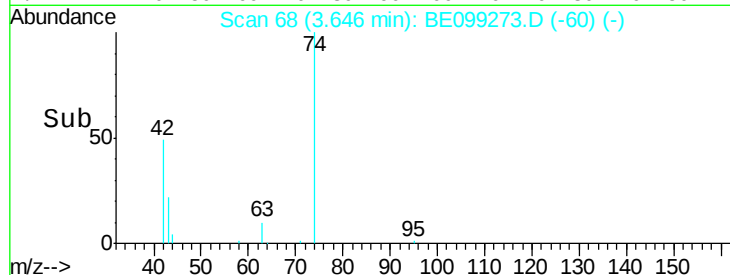


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

Time-->



#4

2-Fluorophenol

Concen: 0.738 ng

RT: 5.38 min Scan# 219

Delta R.T. -0.00 min

Lab File: BE099273.D

Acq: 2 Apr 2019 13:51

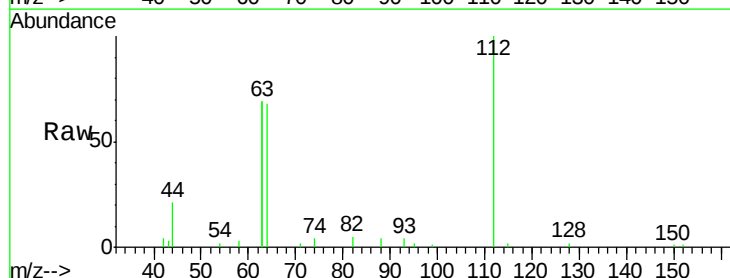
Tgt Ion: 112 Resp: 6958

Ion Ratio Lower Upper

112 100

64 56.0 45.1 67.7

63 117.6 94.4 141.6

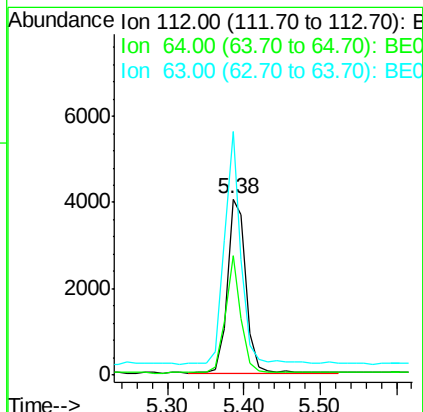
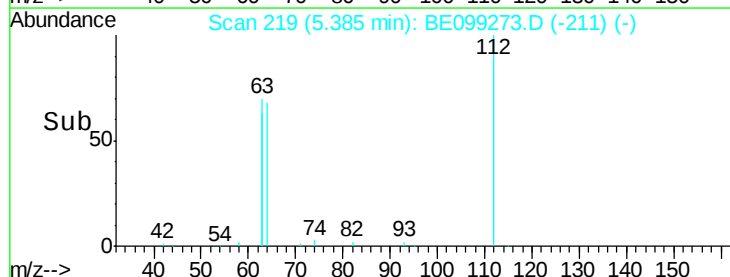


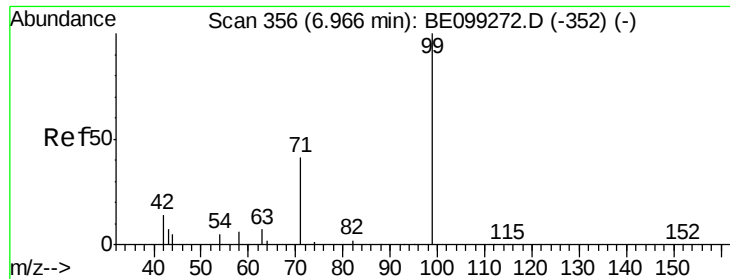
Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Time-->





#5

Phenol-d6

Concen: 0.663 ng

RT: 6.97 min Scan# 357

Delta R.T. 0.01 min

Lab File: BE099273.D

Acq: 2 Apr 2019 13:51

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.8

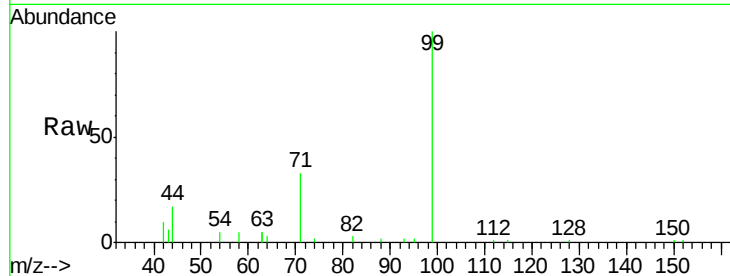
Tgt Ion: 99 Resp: 9552

Ion Ratio Lower Upper

99 100

42 14.0 12.2 18.4

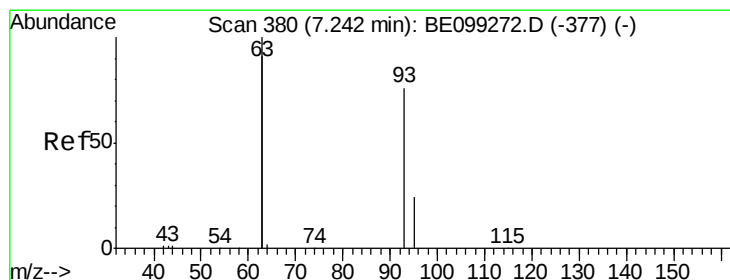
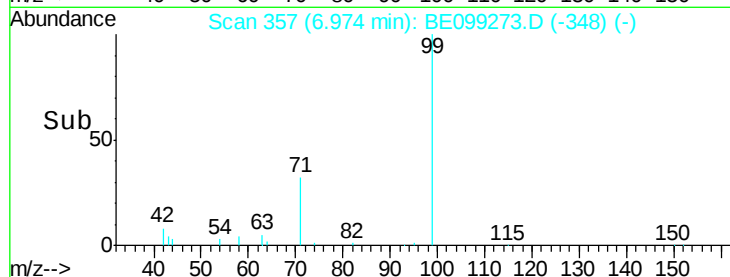
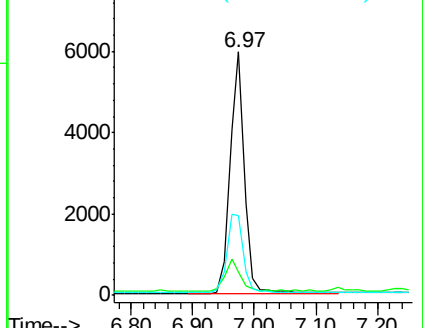
71 37.3 30.1 45.1



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: 0.752 ng

RT: 7.24 min Scan# 380

Delta R.T. -0.00 min

Lab File: BE099273.D

Acq: 2 Apr 2019 13:51

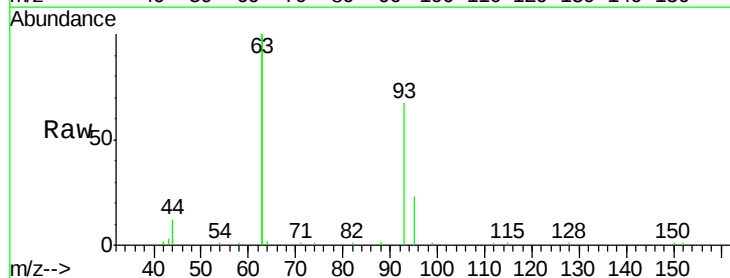
Tgt Ion: 93 Resp: 8518

Ion Ratio Lower Upper

93 100

63 275.3 219.4 329.2

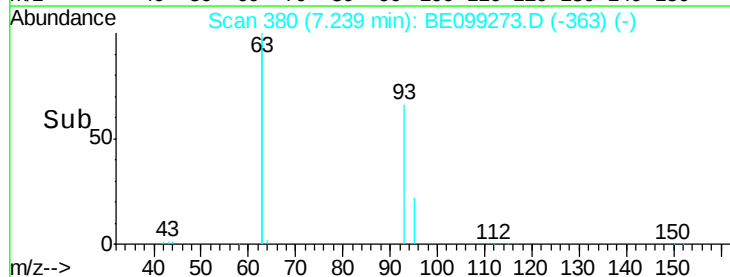
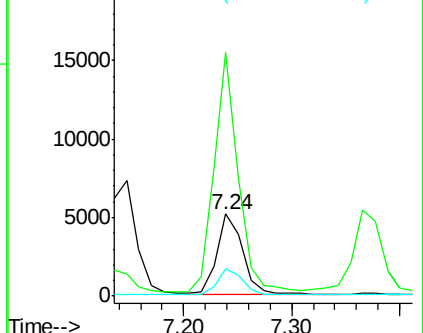
95 32.6 28.2 42.2

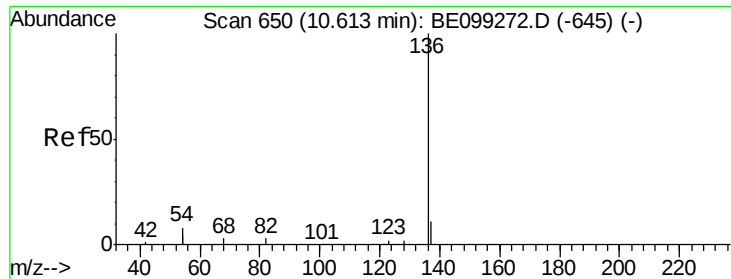


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE099273.D

Acq: 2 Apr 2019 13:51

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.8

Tgt Ion:136 Resp: 11888

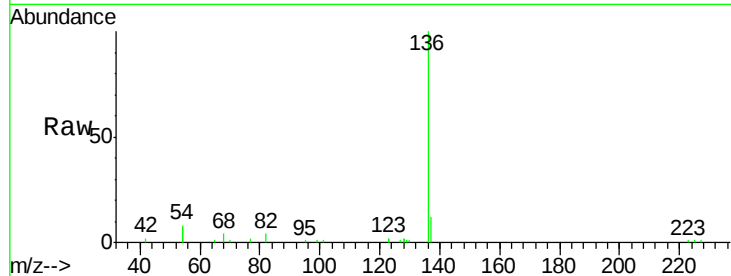
Ion Ratio Lower Upper

136 100

137 11.6 9.0 13.4

54 15.1 12.9 19.3

68 3.9 3.6 5.4



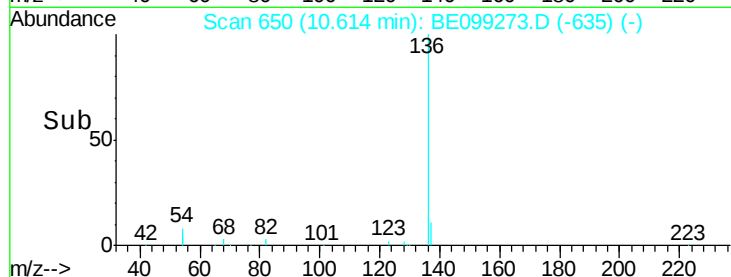
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

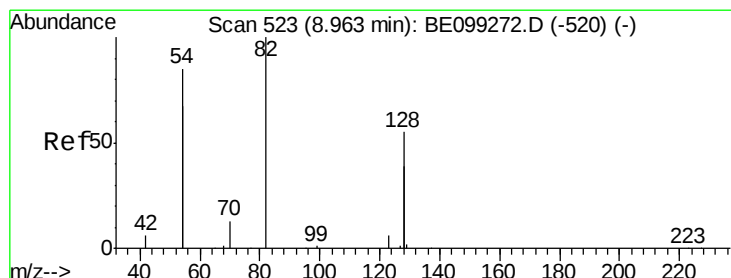
Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0

Time-->



Time-->



#8

Nitrobenzene-d5

Concen: 0.667 ng

RT: 8.96 min Scan# 523

Delta R.T. 0.00 min

Lab File: BE099273.D

Acq: 2 Apr 2019 13:51

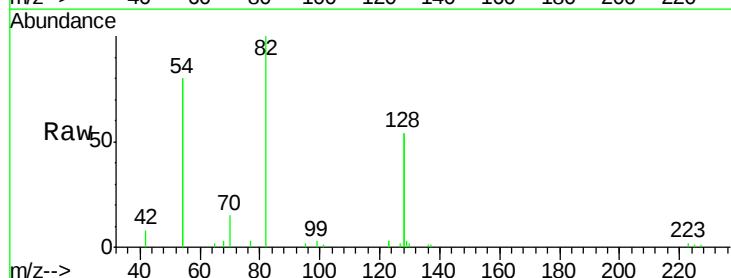
Tgt Ion: 82 Resp: 6472

Ion Ratio Lower Upper

82 100

128 107.6 83.2 124.8

54 159.6 129.3 193.9

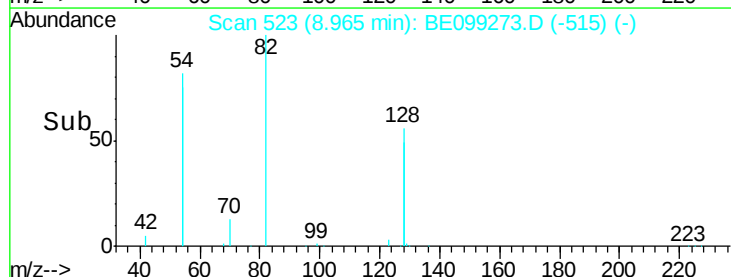


Abundance Ion 82.00 (81.70 to 82.70): BE0

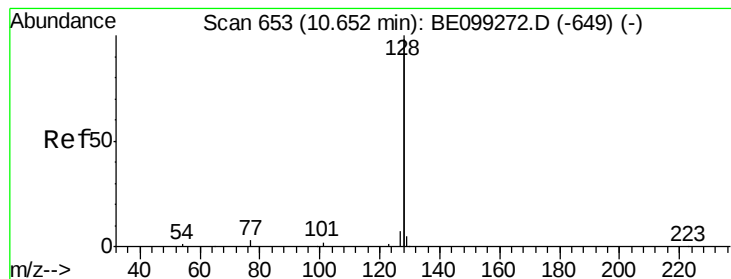
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

Time-->



Time-->



#9

Naphthalene

Concen: 0.755 ng

RT: 10.65 min Scan# 653

Delta R.T. 0.00 min

Lab File: BE099273.D

Acq: 2 Apr 2019 13:51

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.8

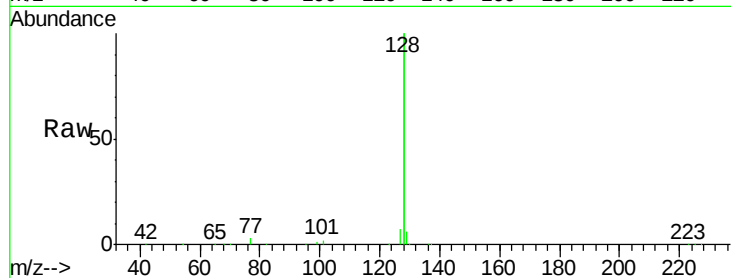
Tgt Ion:128 Resp: 105833

Ion Ratio Lower Upper

128 100

129 2.8 2.2 3.4

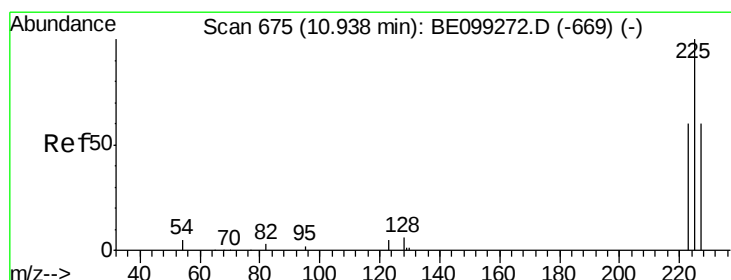
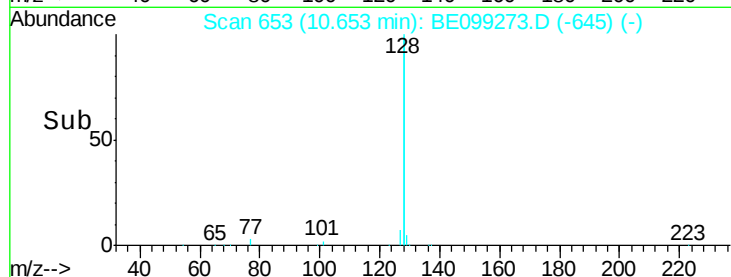
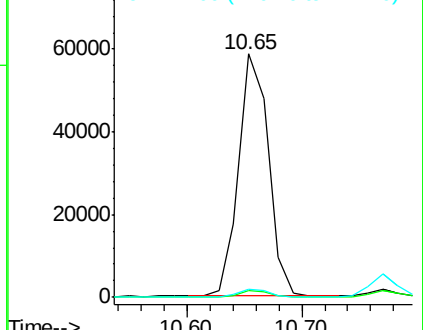
127 3.4 2.7 4.1



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.917 ng

RT: 10.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: BE099273.D

Acq: 2 Apr 2019 13:51

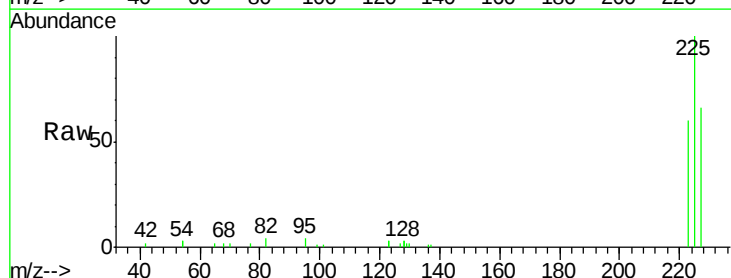
Tgt Ion:225 Resp: 6849

Ion Ratio Lower Upper

225 100

223 62.0 50.1 75.1

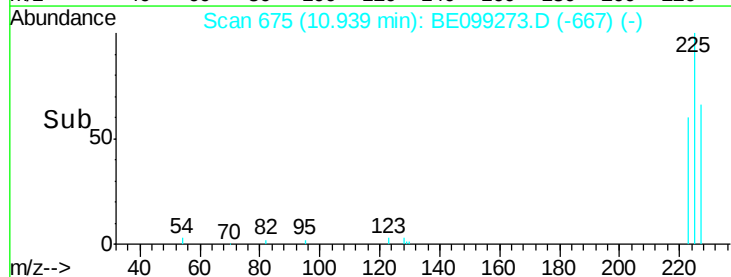
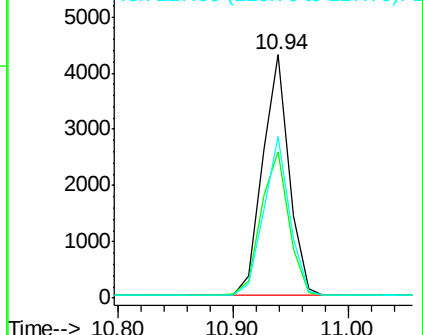
227 64.1 50.6 75.8

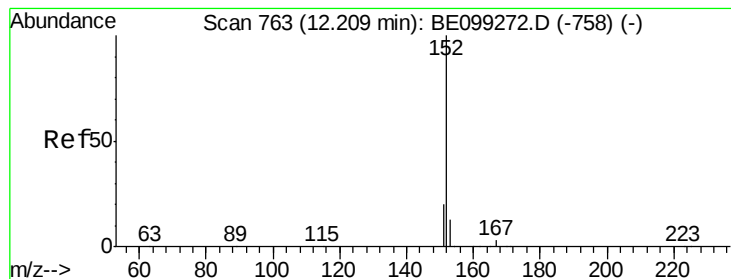


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.755 ng

RT: 12.20 min Scan# 762

Delta R.T. -0.01 min

Lab File: BE099273.D

Acq: 2 Apr 2019 13:51

Instrument :

BNA\_E

ClientSampleId :

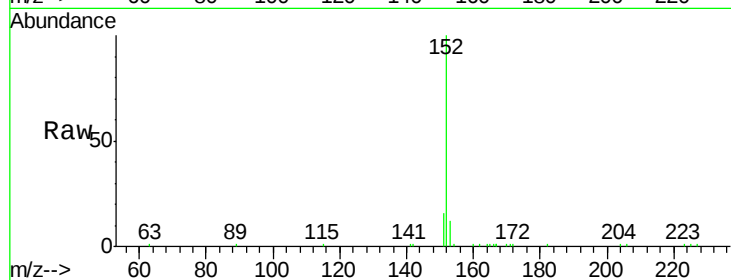
SSTDIC0.8

Tgt Ion:152 Resp: 17298

Ion Ratio Lower Upper

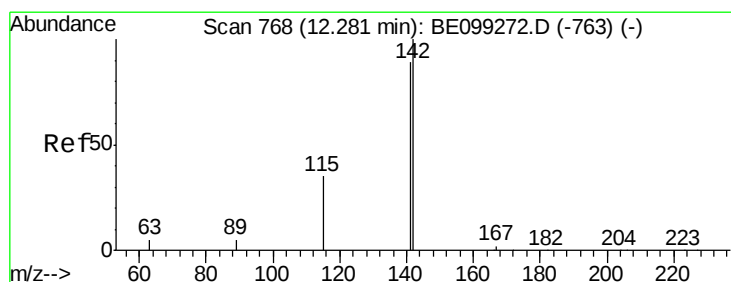
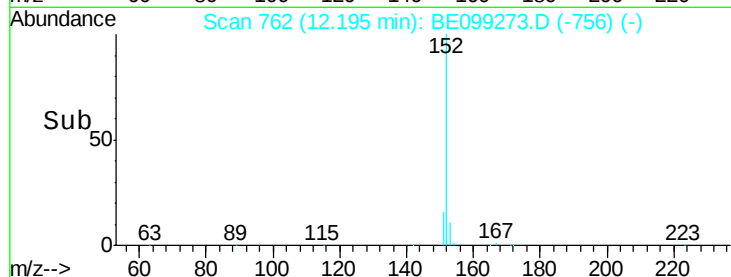
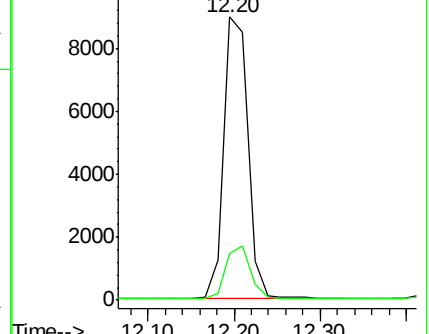
152 100

151 19.1 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.726 ng

RT: 12.28 min Scan# 768

Delta R.T. 0.00 min

Lab File: BE099273.D

Acq: 2 Apr 2019 13:51

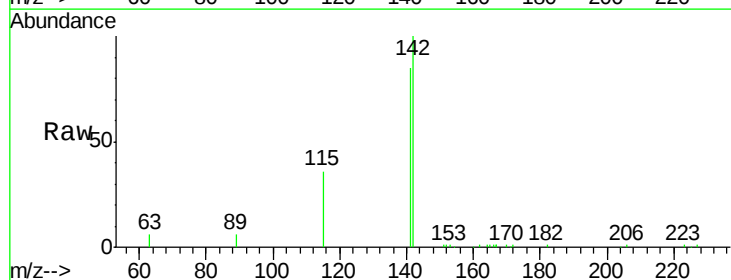
Tgt Ion:142 Resp: 18192

Ion Ratio Lower Upper

142 100

141 85.2 71.1 106.7

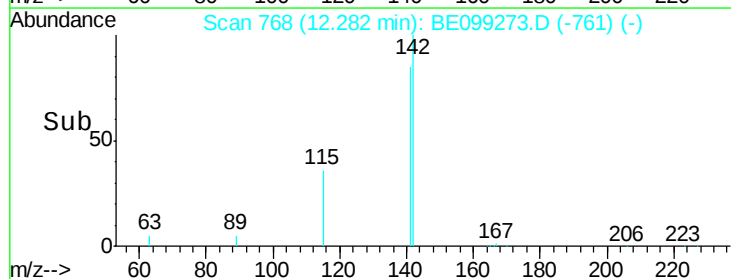
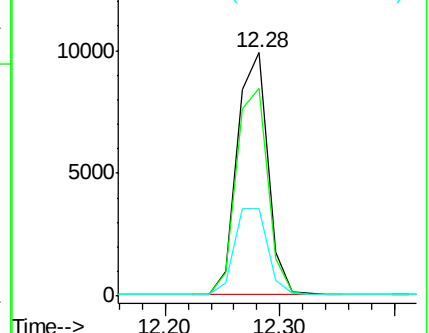
115 36.1 29.0 43.6

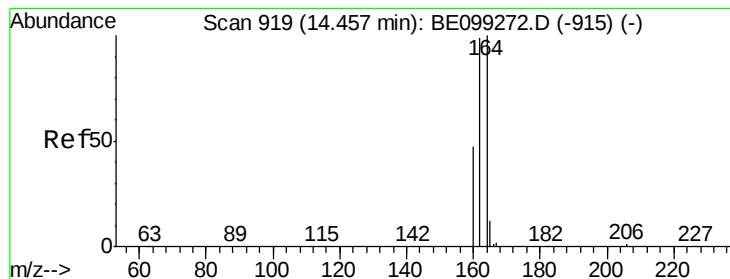


Abundance Ion 142.00 (141.70 to 142.70): E

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. 0.00 min

Lab File: BE099273.D

Acq: 2 Apr 2019 13:51

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.8

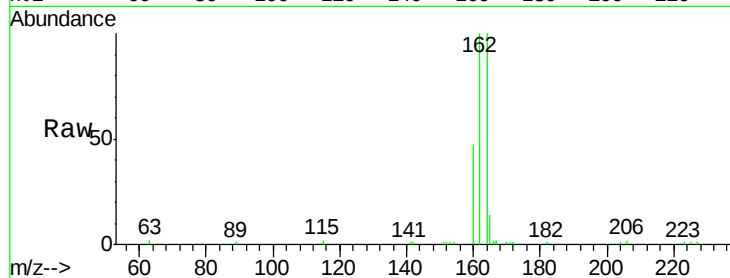
Tgt Ion:164 Resp: 8089

Ion Ratio Lower Upper

164 100

162 100.0 78.8 118.2

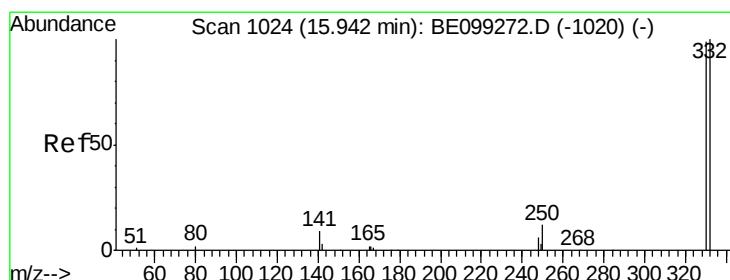
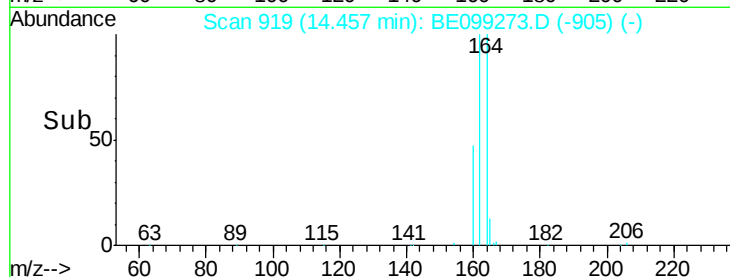
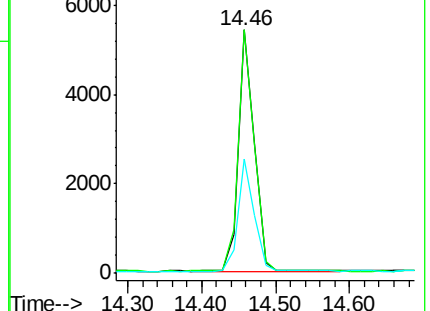
160 47.2 37.6 56.4



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: 1.031 ng

RT: 15.94 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BE099273.D

Acq: 2 Apr 2019 13:51

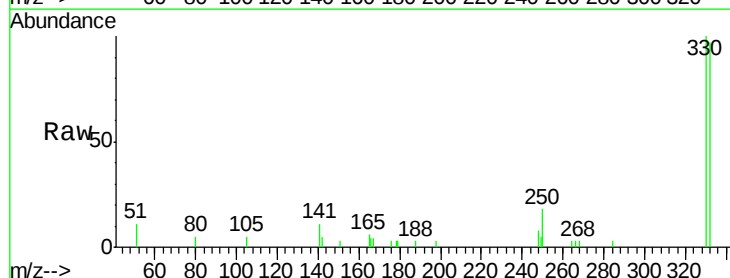
Tgt Ion:330 Resp: 2945

Ion Ratio Lower Upper

330 100

332 94.1 82.6 123.8

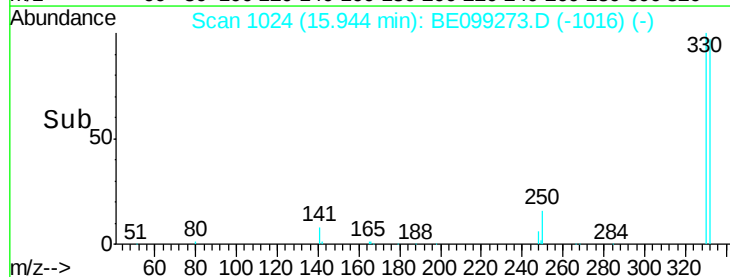
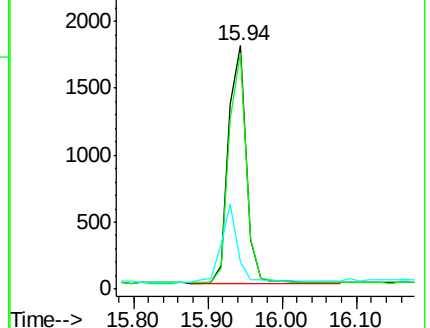
141 30.4 27.6 41.4

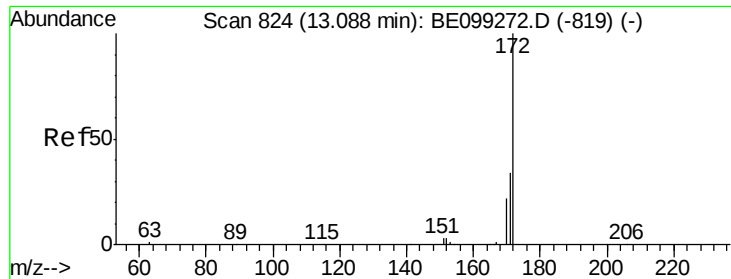


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

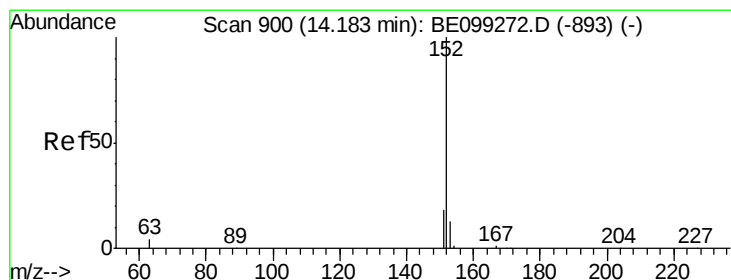
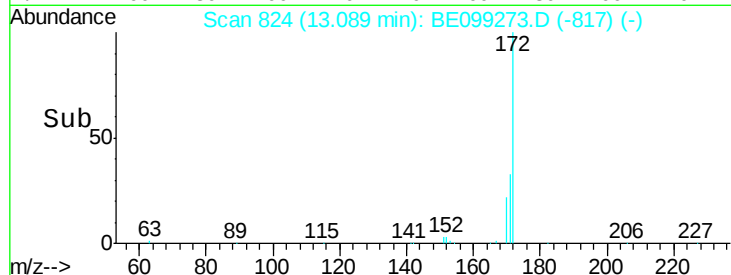
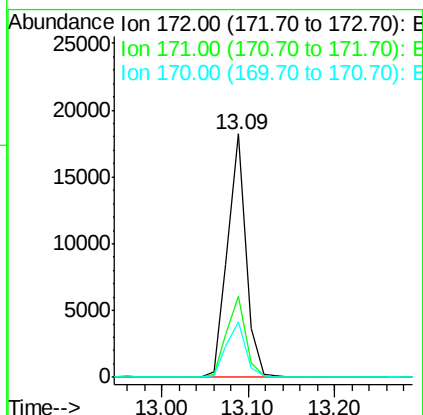
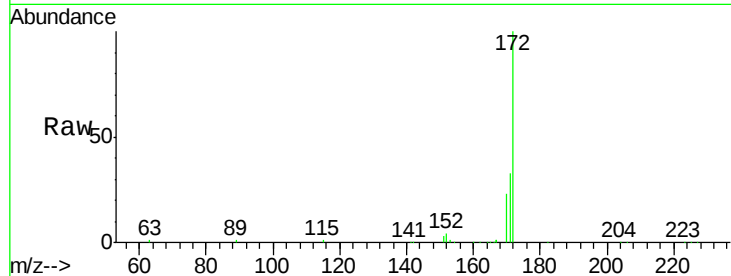




#15  
2-Fluorobiphenyl  
Concen: 0.811 ng  
RT: 13.09 min Scan# 824  
Delta R.T. 0.00 min  
Lab File: BE099273.D  
Acq: 2 Apr 2019 13:51

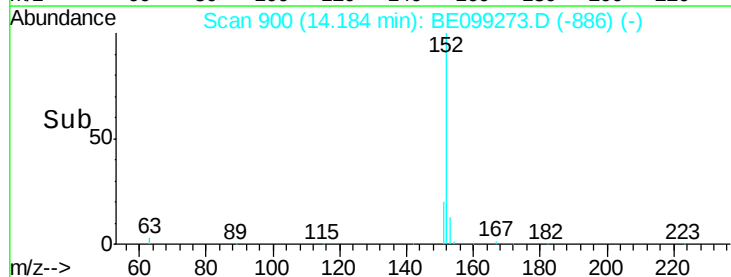
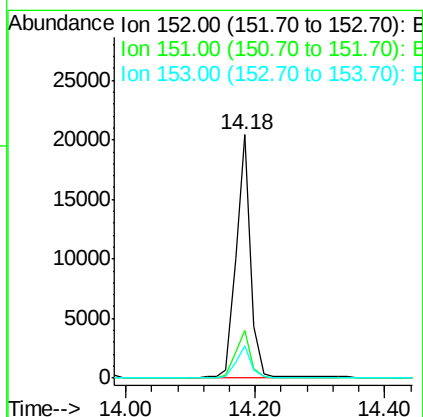
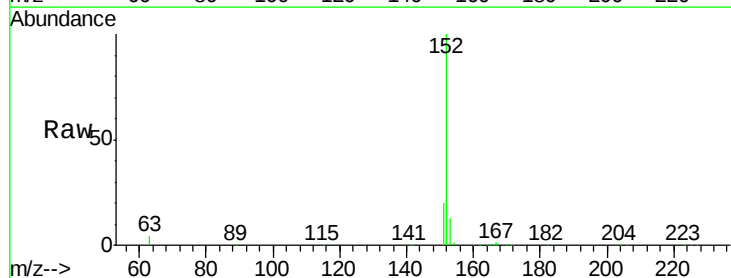
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.8

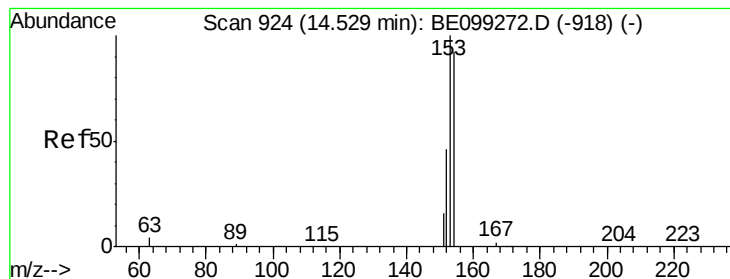
Tgt Ion:172 Resp: 26732  
Ion Ratio Lower Upper  
172 100  
171 33.4 27.5 41.3  
170 22.6 18.2 27.2



#16  
Acenaphthylene  
Concen: 0.762 ng  
RT: 14.18 min Scan# 900  
Delta R.T. 0.00 min  
Lab File: BE099273.D  
Acq: 2 Apr 2019 13:51

Tgt Ion:152 Resp: 31412  
Ion Ratio Lower Upper  
152 100  
151 19.7 14.9 22.3  
153 13.1 10.0 15.0





#17

Acenaphthene

Concen: 0.768 ng

RT: 14.53 min Scan# 924

Delta R.T. 0.00 min

Lab File: BE099273.D

Acq: 2 Apr 2019 13:51

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.8

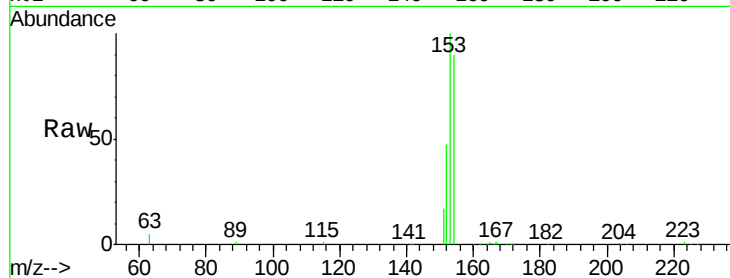
Tgt Ion:154 Resp: 18936

Ion Ratio Lower Upper

154 100

153 114.4 92.8 139.2

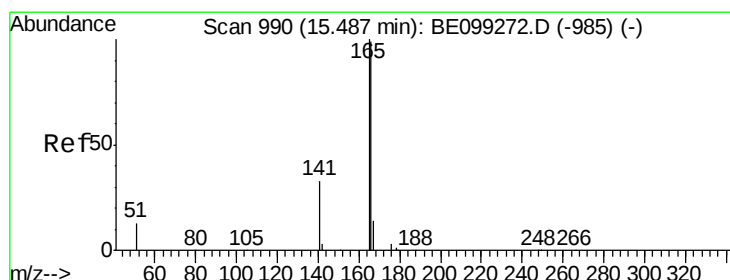
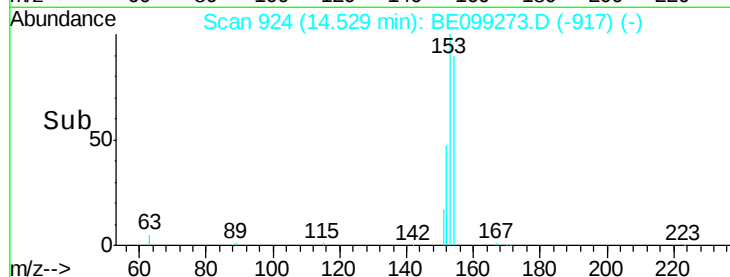
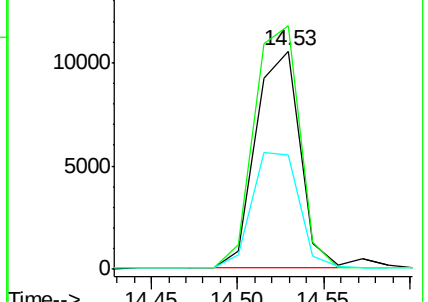
152 56.4 44.3 66.5



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: 0.787 ng

RT: 15.49 min Scan# 990

Delta R.T. 0.00 min

Lab File: BE099273.D

Acq: 2 Apr 2019 13:51

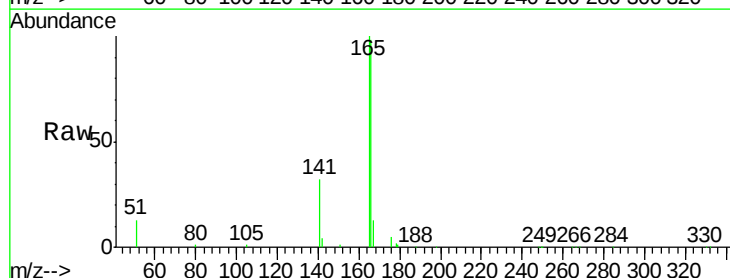
Tgt Ion:166 Resp: 27305

Ion Ratio Lower Upper

166 100

165 99.3 77.9 116.9

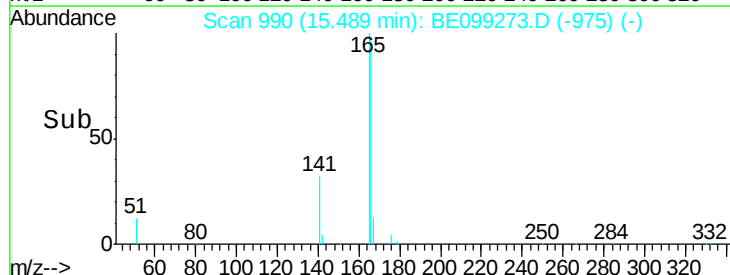
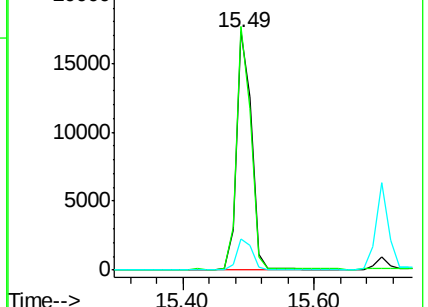
167 13.4 10.9 16.3

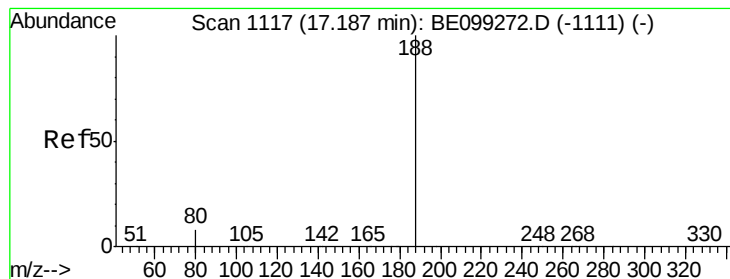


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

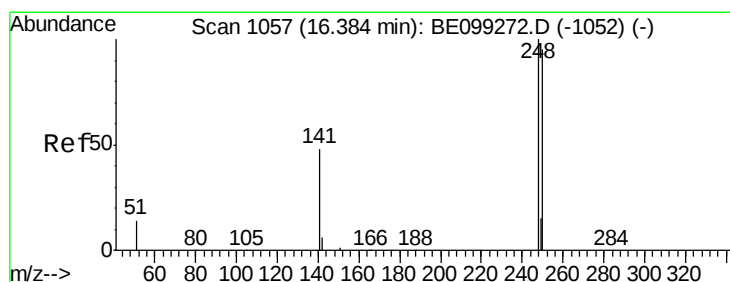
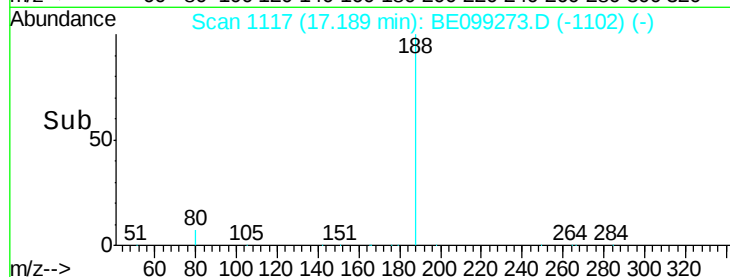
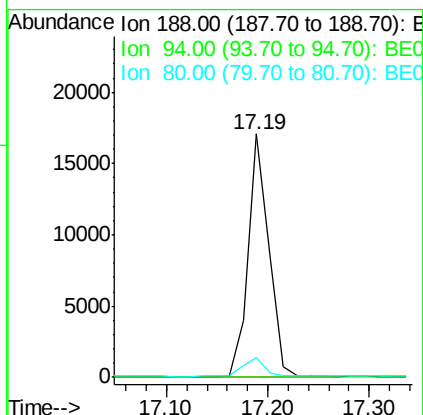
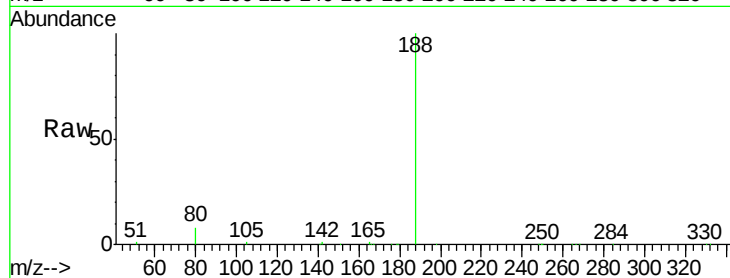




#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.19 min Scan# 1117  
Delta R.T. 0.00 min  
Lab File: BE099273.D  
Acq: 2 Apr 2019 13:51

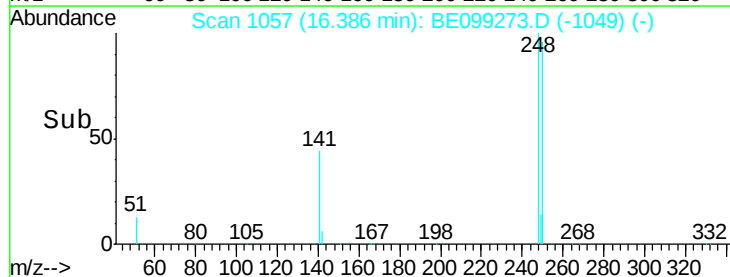
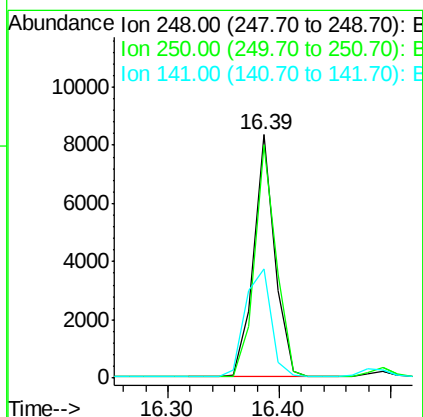
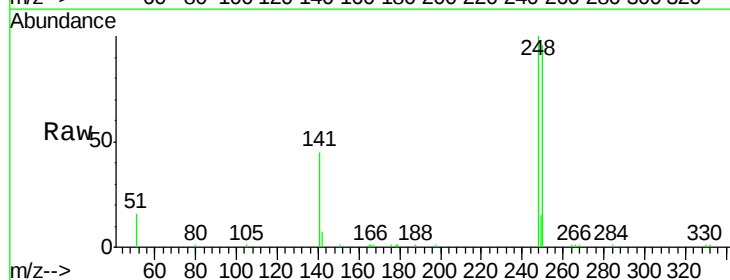
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.8

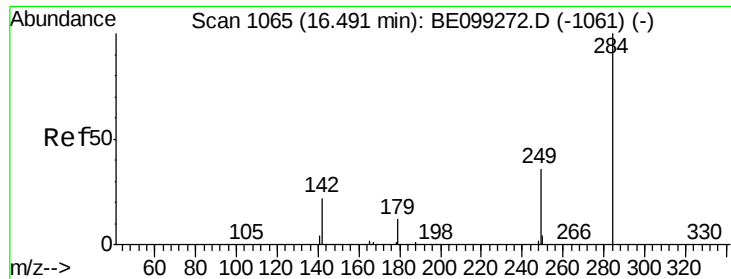
Tgt Ion:188 Resp: 24251  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 7.9 6.6 10.0



#20  
4-Bromophenyl-phenylether  
Concen: 0.708 ng  
RT: 16.39 min Scan# 1057  
Delta R.T. 0.00 min  
Lab File: BE099273.D  
Acq: 2 Apr 2019 13:51

Tgt Ion:248 Resp: 11084  
Ion Ratio Lower Upper  
248 100  
250 95.6 75.9 113.9  
141 44.7 39.0 58.6





#21

Hexachlorobenzene

Concen: 0.711 ng

RT: 16.49 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BE099273.D

Acq: 2 Apr 2019 13:51

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.8

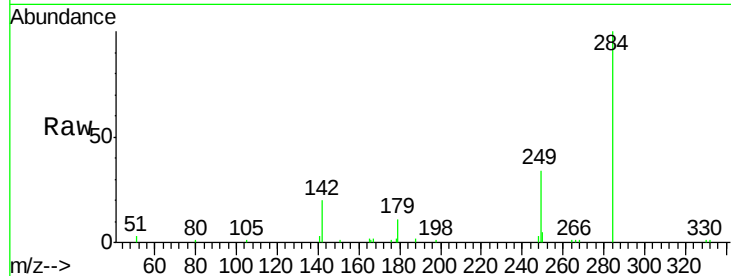
Tgt Ion:284 Resp: 10752

Ion Ratio Lower Upper

284 100

142 26.2 21.0 31.6

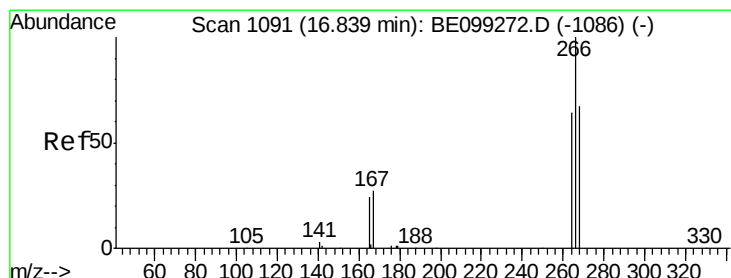
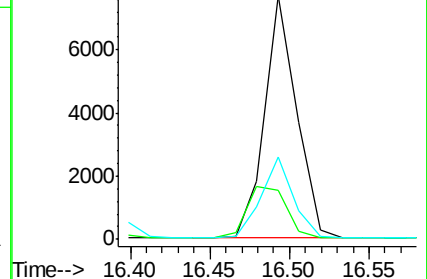
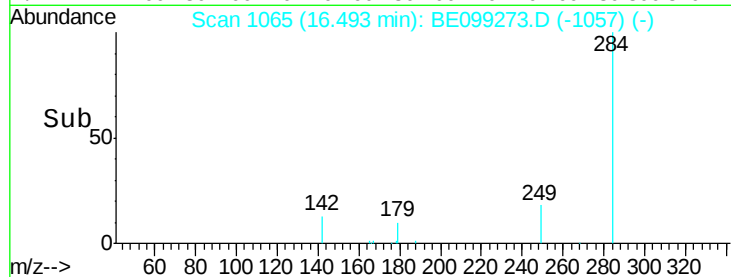
249 33.0 27.0 40.6



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: 1.960 ng

RT: 16.84 min Scan# 1091

Delta R.T. 0.00 min

Lab File: BE099273.D

Acq: 2 Apr 2019 13:51

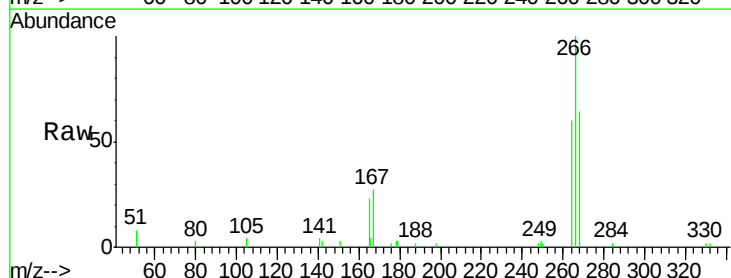
Tgt Ion:266 Resp: 3906

Ion Ratio Lower Upper

266 100

264 60.3 51.8 77.8

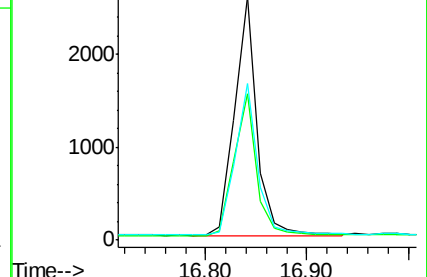
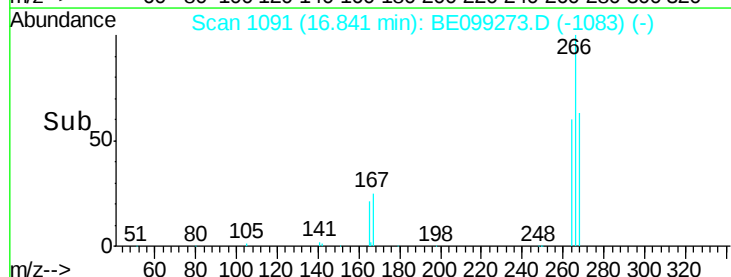
268 64.1 54.7 82.1

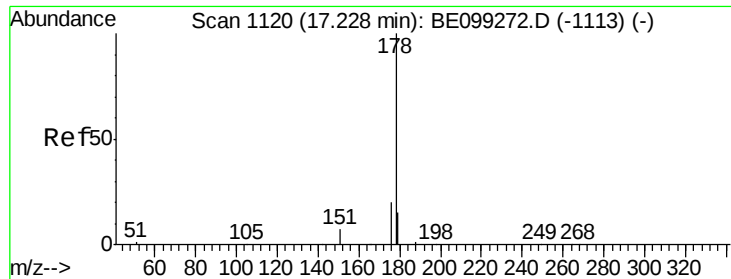


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.726 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099273.D

Acq: 2 Apr 2019 13:51

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.8

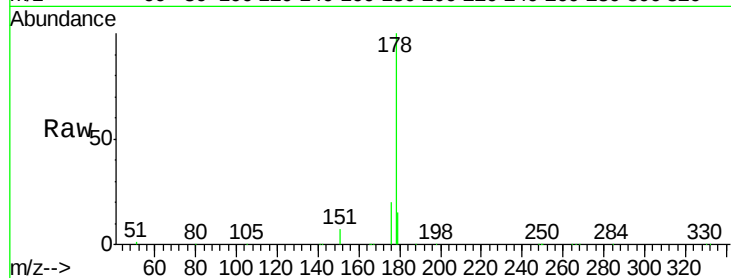
Tgt Ion:178 Resp: 51697

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.2

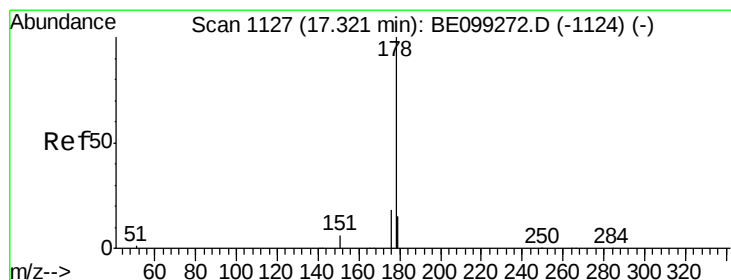
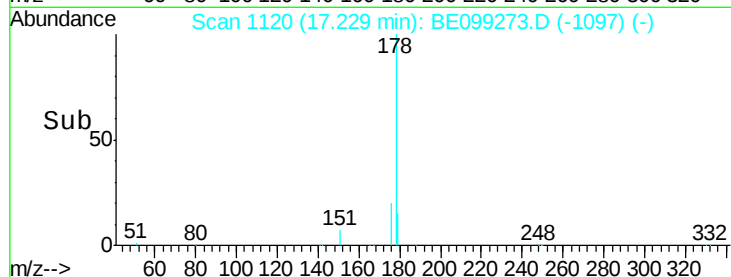
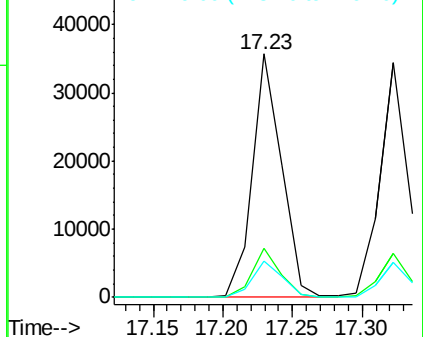
179 15.1 12.3 18.5



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



#24

Anthracene

Concen: 0.747 ng

RT: 17.32 min Scan# 1127

Delta R.T. 0.00 min

Lab File: BE099273.D

Acq: 2 Apr 2019 13:51

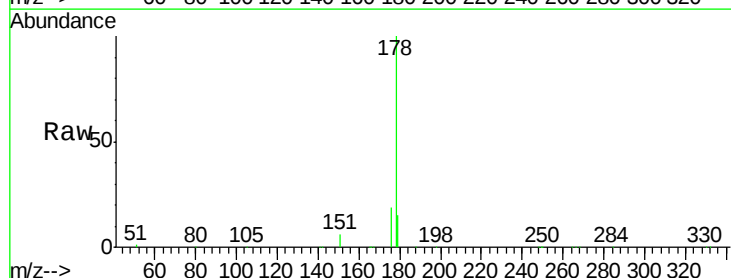
Tgt Ion:178 Resp: 48048

Ion Ratio Lower Upper

178 100

176 18.8 14.7 22.1

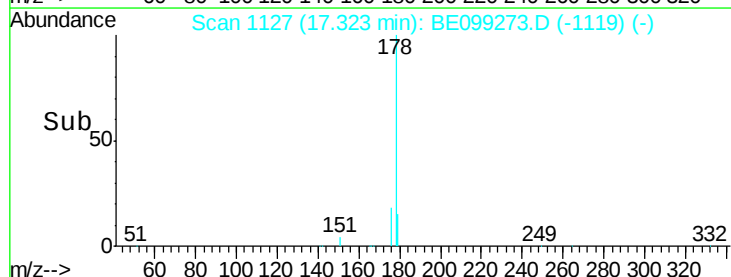
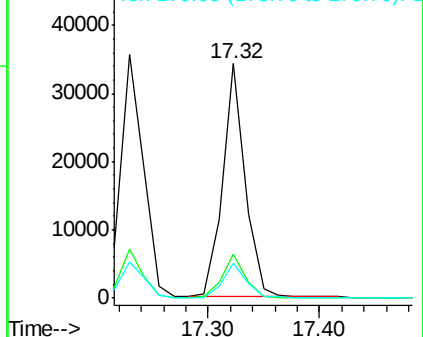
179 15.2 12.3 18.5

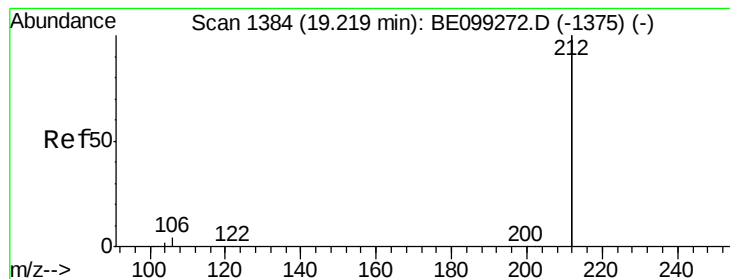


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.879 ng

RT: 19.22 min Scan# 1384

Delta R.T. -0.00 min

Lab File: BE099273.D

Acq: 2 Apr 2019 13:51

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.8

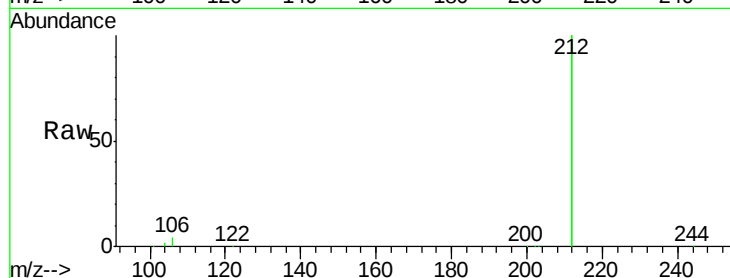
Tgt Ion:212 Resp: 258205

Ion Ratio Lower Upper

212 100

106 2.1 1.7 2.5

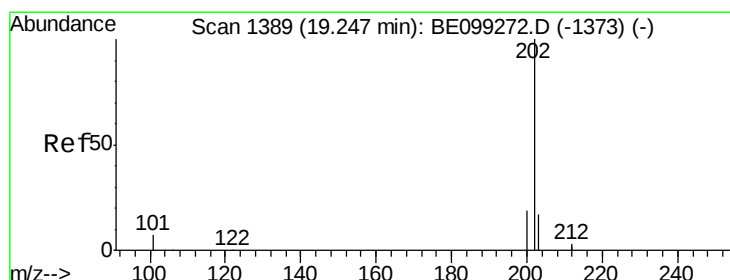
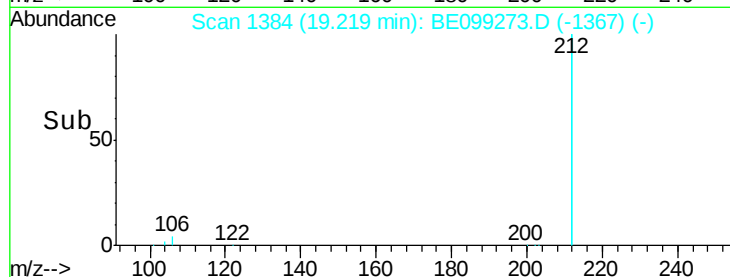
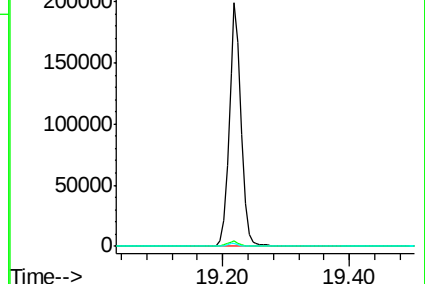
104 1.2 1.0 1.4



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: 0.823 ng

RT: 19.25 min Scan# 1389

Delta R.T. -0.00 min

Lab File: BE099273.D

Acq: 2 Apr 2019 13:51

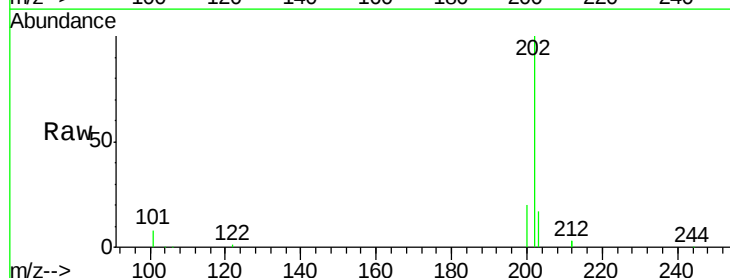
Tgt Ion:202 Resp: 74824

Ion Ratio Lower Upper

202 100

101 7.7 6.2 9.4

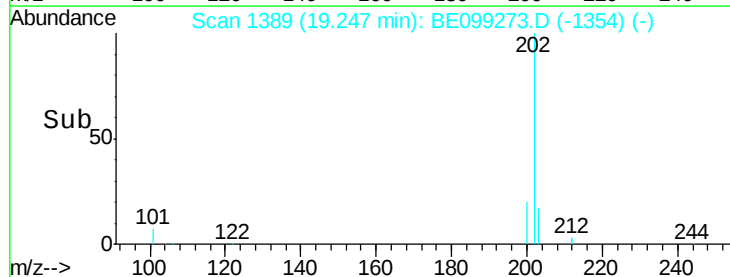
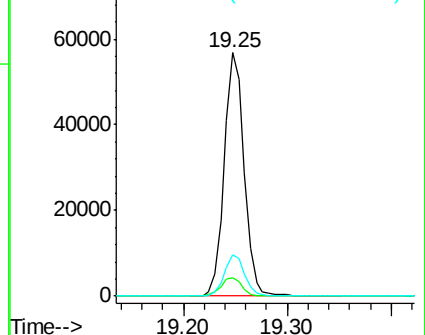
203 17.1 13.9 20.9

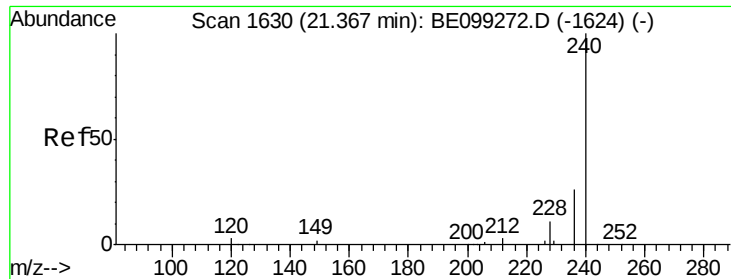


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

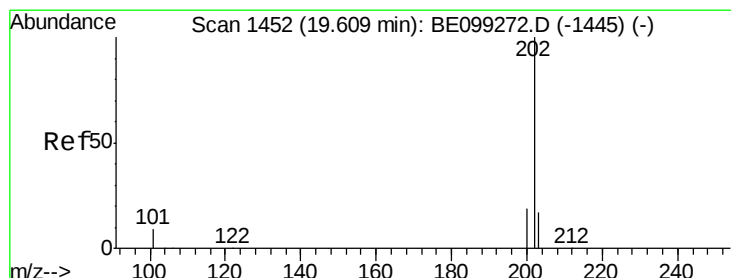
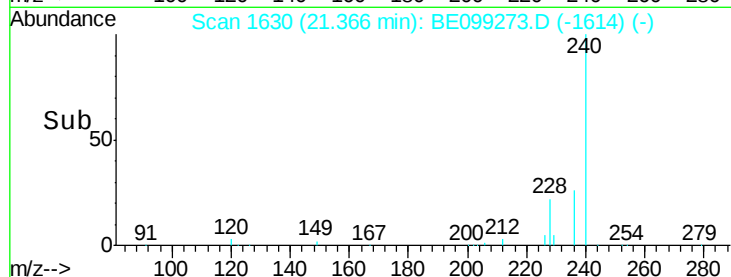
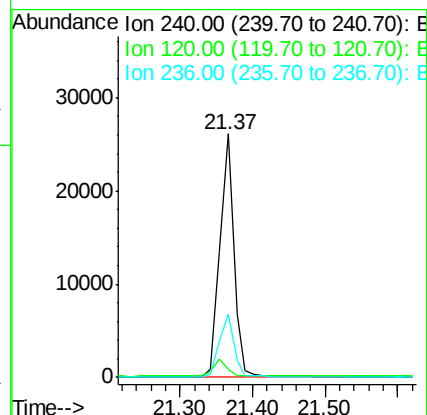
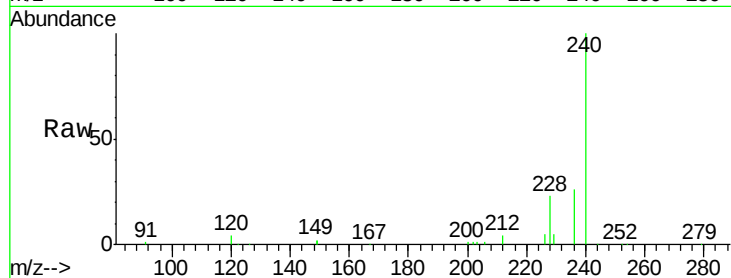




#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.37 min Scan# 1630  
 Delta R.T. -0.00 min  
 Lab File: BE099273.D  
 Acq: 2 Apr 2019 13:51

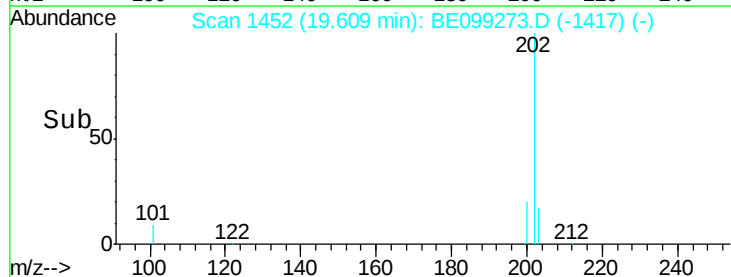
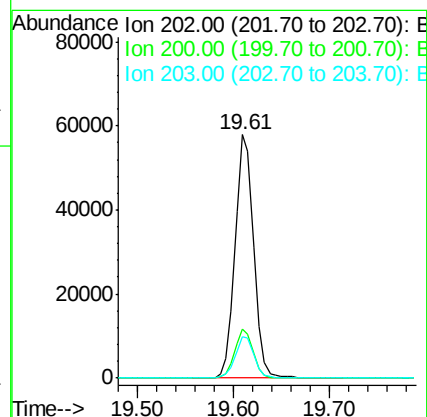
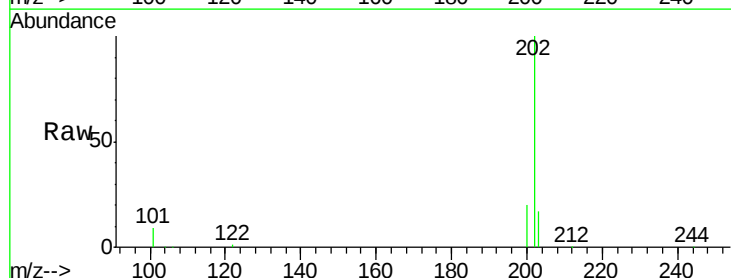
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.8

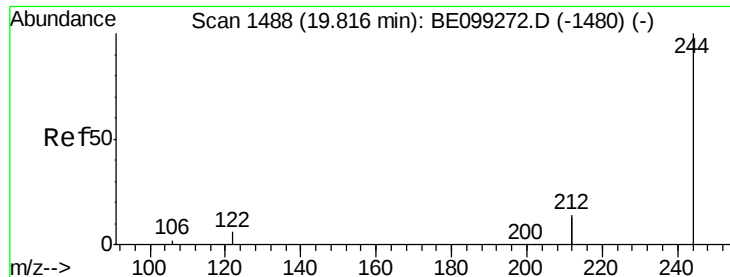
Tgt Ion: 240 Resp: 35255  
 Ion Ratio Lower Upper  
 240 100  
 120 3.6 2.7 4.1  
 236 26.1 20.7 31.1



#28  
 Pyrene  
 Concen: 0.656 ng  
 RT: 19.61 min Scan# 1452  
 Delta R.T. -0.00 min  
 Lab File: BE099273.D  
 Acq: 2 Apr 2019 13:51

Tgt Ion: 202 Resp: 76850  
 Ion Ratio Lower Upper  
 202 100  
 200 19.8 15.7 23.5  
 203 17.5 13.9 20.9





#29

Terphenyl-d14

Concen: 0.693 ng

RT: 19.82 min Scan# 1488

Delta R.T. -0.00 min

Lab File: BE099273.D

Acq: 2 Apr 2019 13:51

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.8

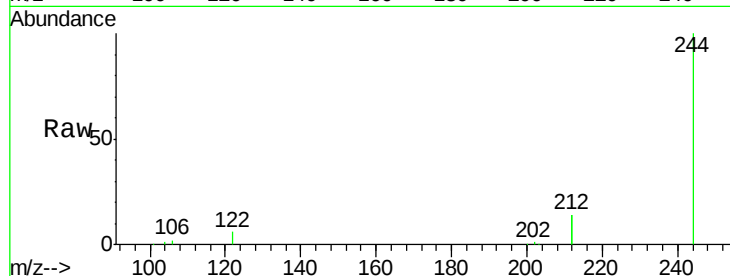
Tgt Ion:244 Resp: 53166

Ion Ratio Lower Upper

244 100

212 28.7 22.6 33.8

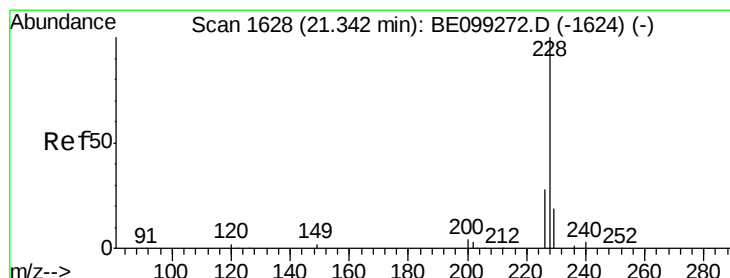
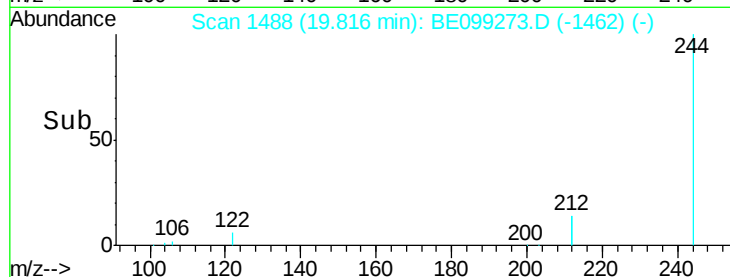
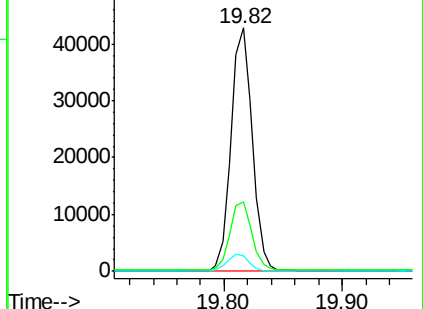
122 6.3 4.6 7.0



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: 0.782 ng

RT: 21.34 min Scan# 1628

Delta R.T. -0.00 min

Lab File: BE099273.D

Acq: 2 Apr 2019 13:51

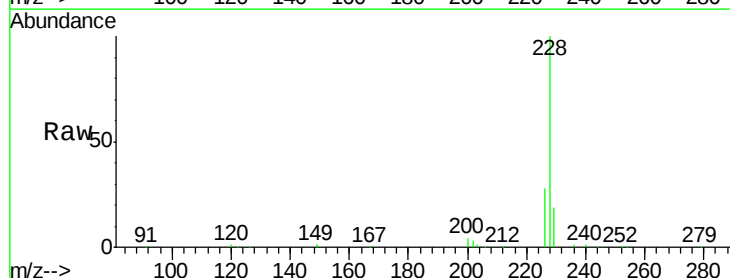
Tgt Ion:228 Resp: 90947

Ion Ratio Lower Upper

228 100

226 28.0 22.3 33.5

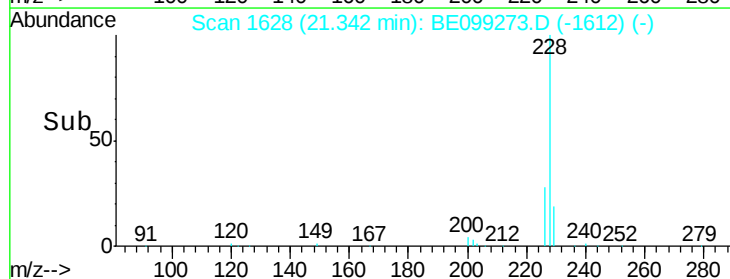
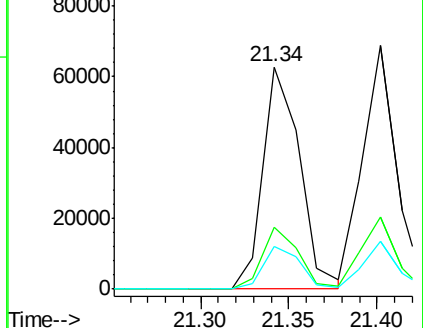
229 19.3 15.4 23.0

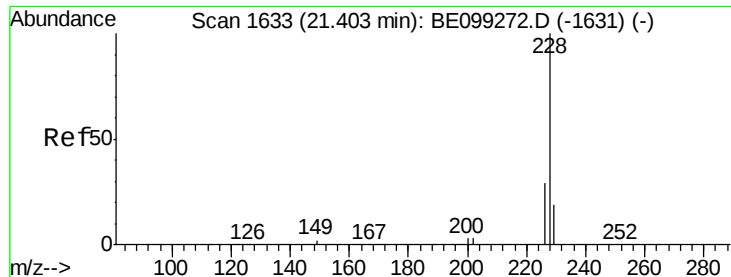


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.719 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE099273.D

Acq: 2 Apr 2019 13:51

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.8

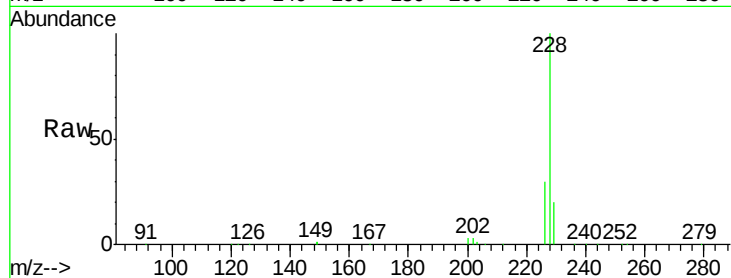
Tgt Ion:228 Resp: 89345

Ion Ratio Lower Upper

228 100

226 29.6 23.7 35.5

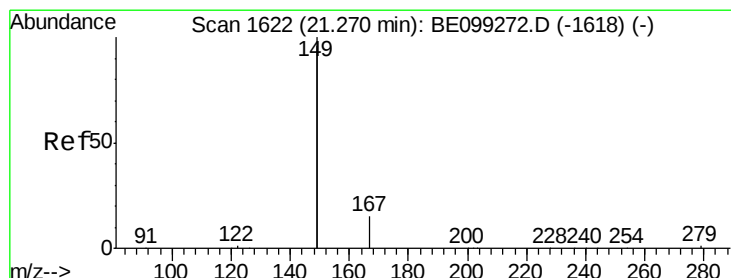
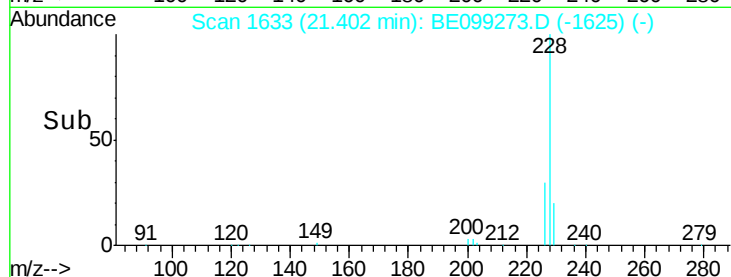
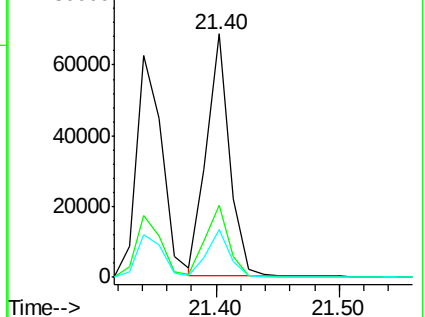
229 19.8 15.6 23.4



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: 0.784 ng

RT: 21.27 min Scan# 1622

Delta R.T. -0.00 min

Lab File: BE099273.D

Acq: 2 Apr 2019 13:51

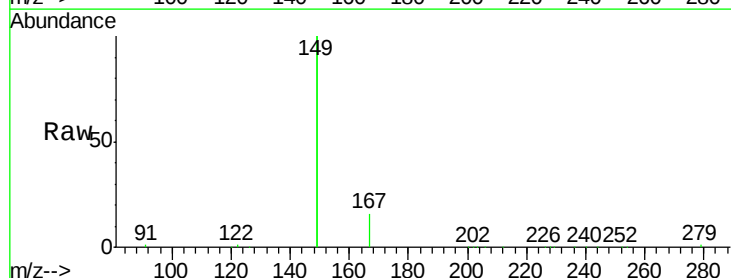
Tgt Ion:149 Resp: 108805

Ion Ratio Lower Upper

149 100

167 7.6 6.1 9.1

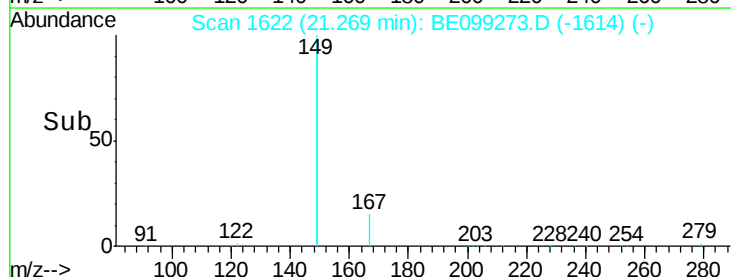
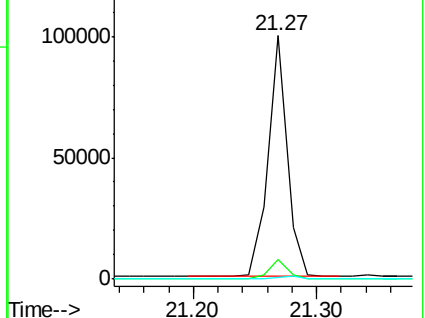
279 1.2 1.0 1.4

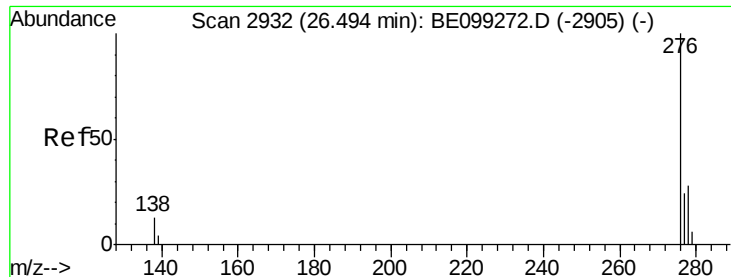


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.882 ng

RT: 26.49 min Scan# 2932

Delta R.T. 0.00 min

Lab File: BE099273.D

Acq: 2 Apr 2019 13:51

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.8

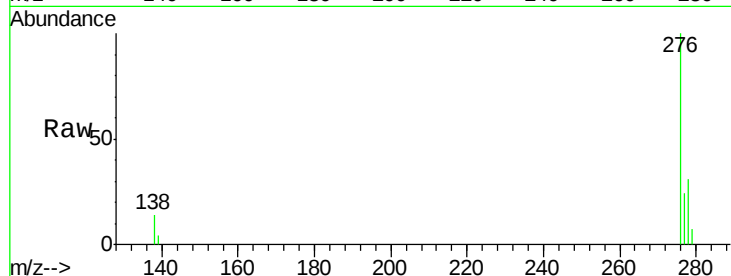
Tgt Ion:276 Resp: 103797

Ion Ratio Lower Upper

276 100

138 15.4 12.6 18.8

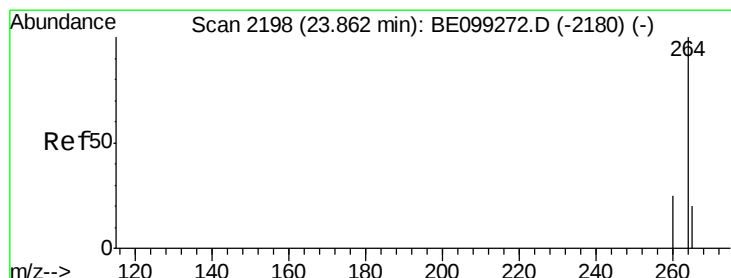
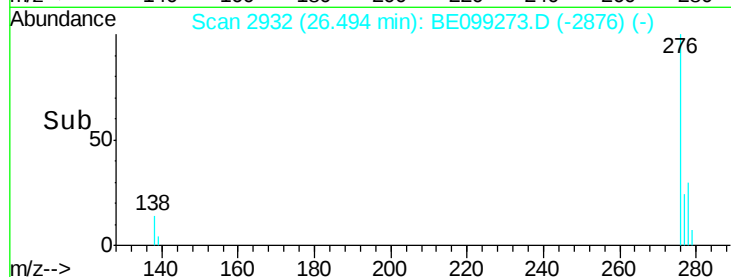
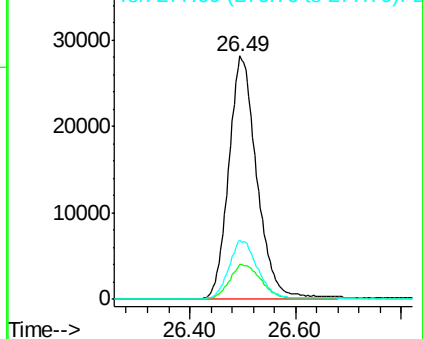
277 24.4 19.4 29.2



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: 23.86 min Scan# 2197

Delta R.T. -0.00 min

Lab File: BE099273.D

Acq: 2 Apr 2019 13:51

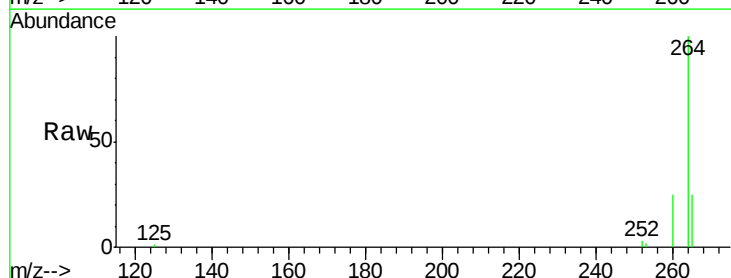
Tgt Ion:264 Resp: 36875

Ion Ratio Lower Upper

264 100

260 24.7 19.8 29.8

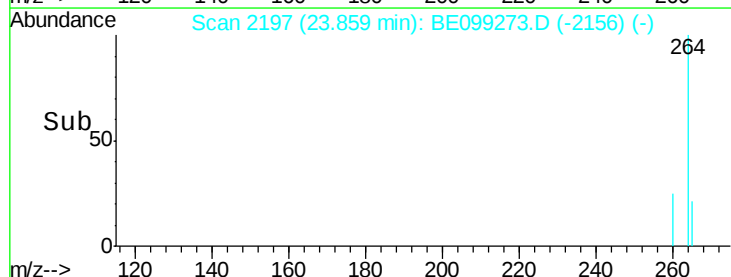
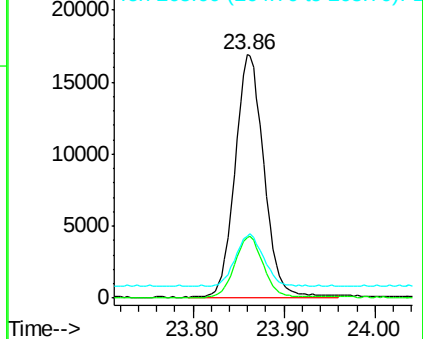
265 25.4 19.3 28.9

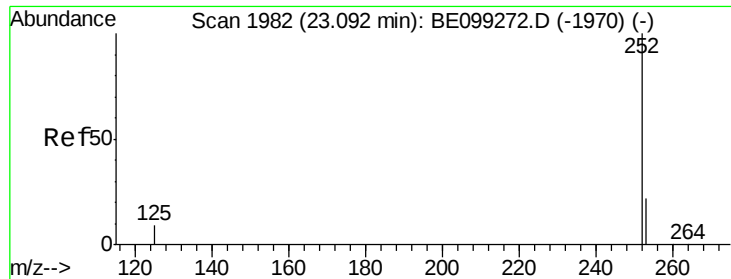


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.723 ng

RT: 23.09 min Scan# 1981

Delta R.T. -0.00 min

Lab File: BE099273.D

Acq: 2 Apr 2019 13:51

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.8

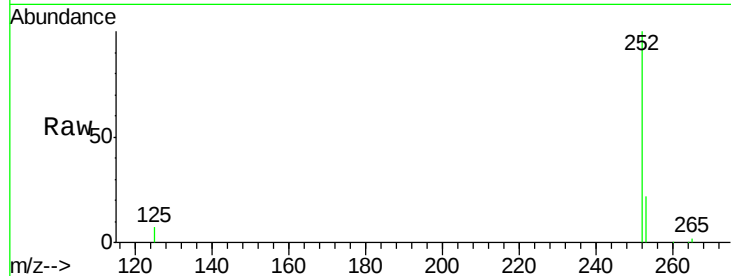
Tgt Ion:252 Resp: 87756

Ion Ratio Lower Upper

252 100

253 22.3 18.6 27.8

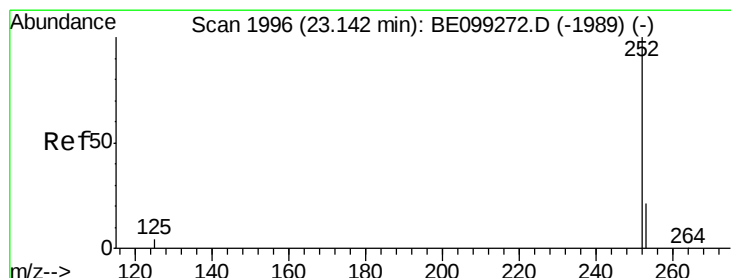
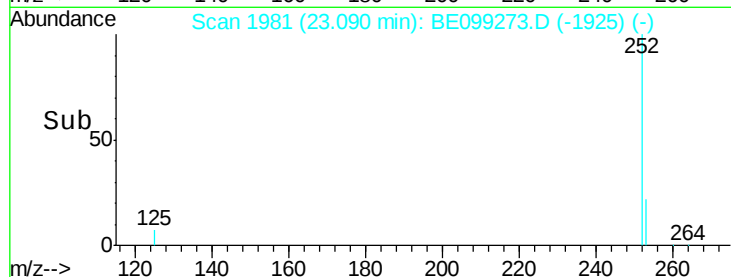
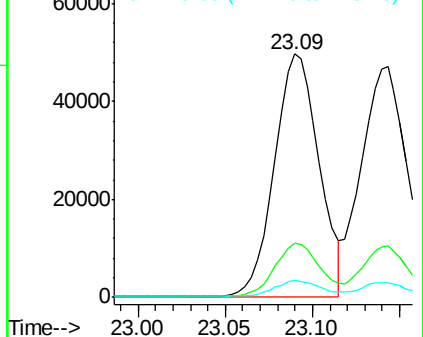
125 6.9 7.4 11.2#



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: 0.689 ng

RT: 23.14 min Scan# 1996

Delta R.T. 0.00 min

Lab File: BE099273.D

Acq: 2 Apr 2019 13:51

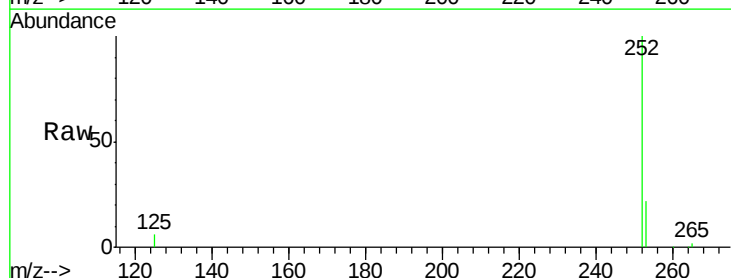
Tgt Ion:252 Resp: 88421

Ion Ratio Lower Upper

252 100

253 22.1 17.9 26.9

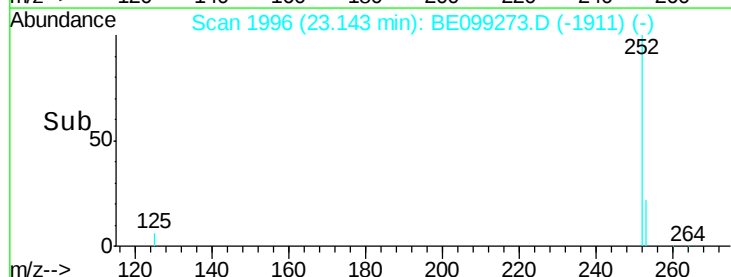
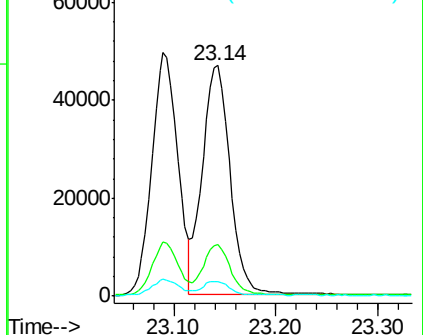
125 6.4 5.8 8.6

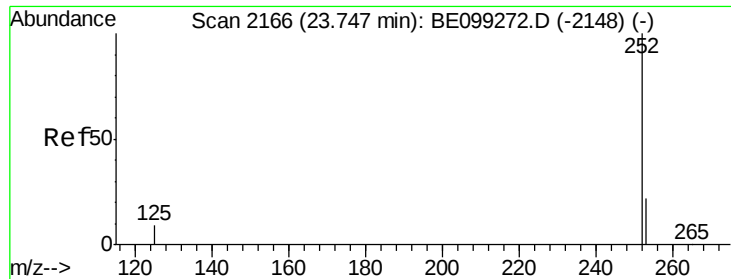


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

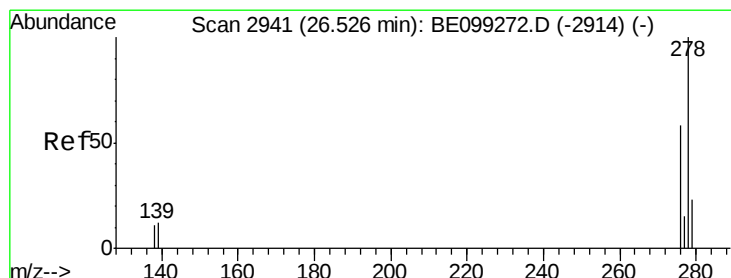
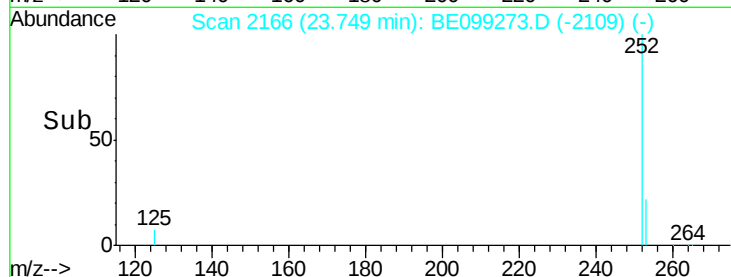
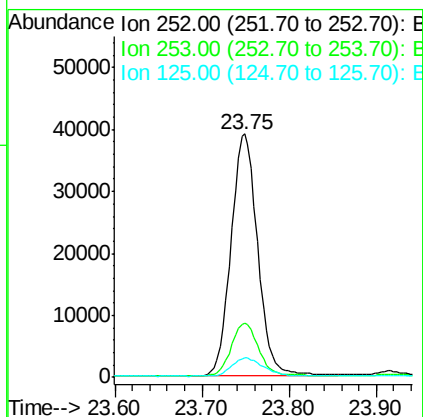
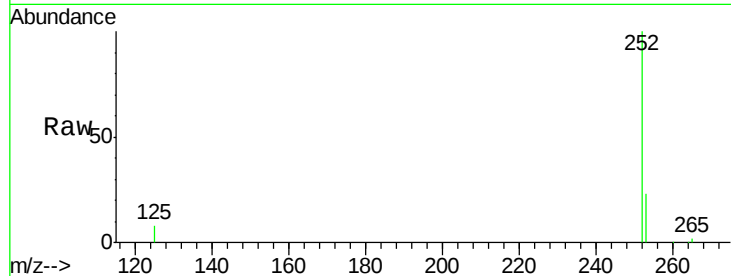




#37  
Benzo(a)pyrene  
Concen: 0.736 ng  
RT: 23.75 min Scan# 2166  
Delta R.T. 0.00 min  
Lab File: BE099273.D  
Acq: 2 Apr 2019 13:51

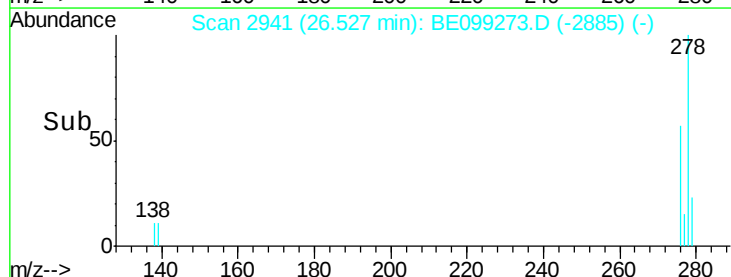
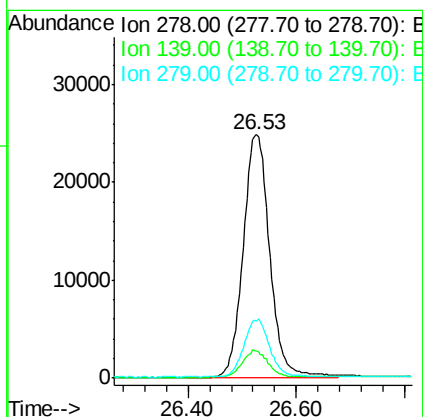
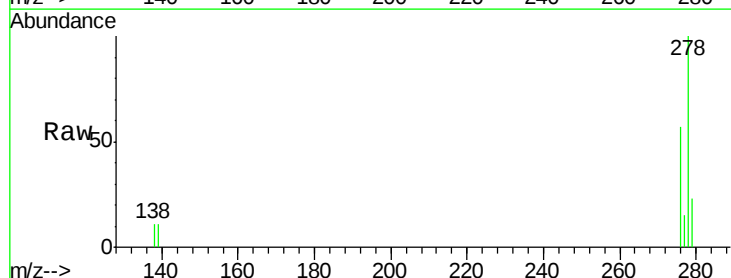
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.8

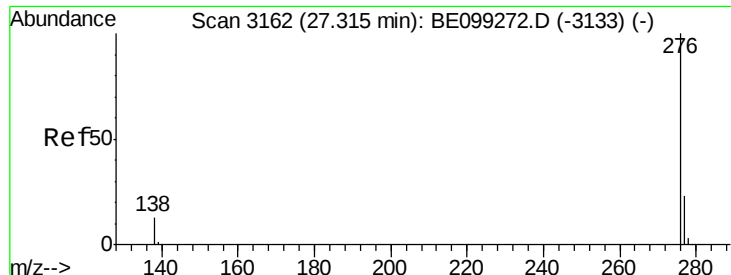
Tgt Ion: 252 Resp: 83405  
Ion Ratio Lower Upper  
252 100  
253 22.5 18.4 27.6  
125 7.8 7.8 11.8



#38  
Dibenzo(a,h)anthracene  
Concen: 0.844 ng  
RT: 26.53 min Scan# 2941  
Delta R.T. 0.00 min  
Lab File: BE099273.D  
Acq: 2 Apr 2019 13:51

Tgt Ion: 278 Resp: 84957  
Ion Ratio Lower Upper  
278 100  
139 11.3 10.2 15.2  
279 23.2 19.0 28.4





#39

Benzo(g,h,i)perylene

Concen: 0.838 ng

RT: 27.31 min Scan# 3162

Delta R.T. 0.00 min

Lab File: BE099273.D

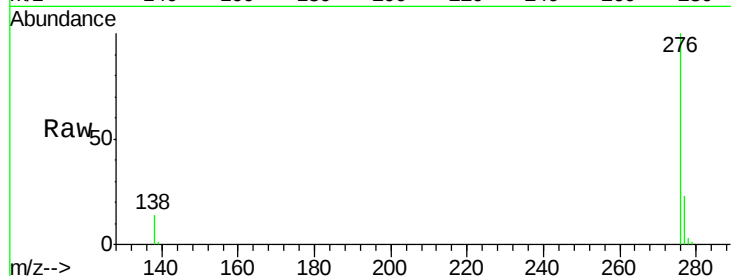
Acq: 2 Apr 2019 13:51

Instrument :

BNA\_E

ClientSampleId :

SSTDICC0.8



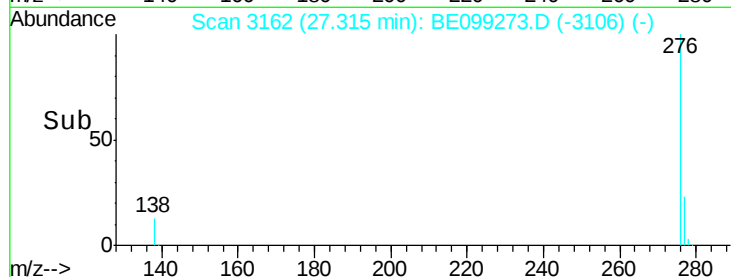
Tgt Ion: 276 Resp: 84599

Ion Ratio Lower Upper

276 100

277 23.2 18.9 28.3

138 13.6 11.2 16.8



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

