

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032519\  
 Data File : BE099175.D  
 Acq On : 25 Mar 2019 9:53  
 Operator : JU/SJ  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

Quant Time: Mar 26 08:45:35 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE032519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 26 07:02:06 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.84  | 152  | 3440     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.63 | 136  | 16236    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.48 | 164  | 11648    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.21 | 188  | 30524    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.39 | 240  | 34322    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.90 | 264  | 36818    | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.41  | 112  | 4647     | 0.45 | ng    | 0.00     |
| 5) Phenol-d6                | 6.99  | 99   | 7067     | 0.45 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.99  | 82   | 5658     | 0.43 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 12.22 | 152  | 13463    | 0.43 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 15.96 | 330  | 1526     | 0.46 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 13.10 | 172  | 21776    | 0.46 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 19.24 | 212  | 156508   | 0.42 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.83 | 244  | 35186    | 0.47 | ng    | 0.00     |

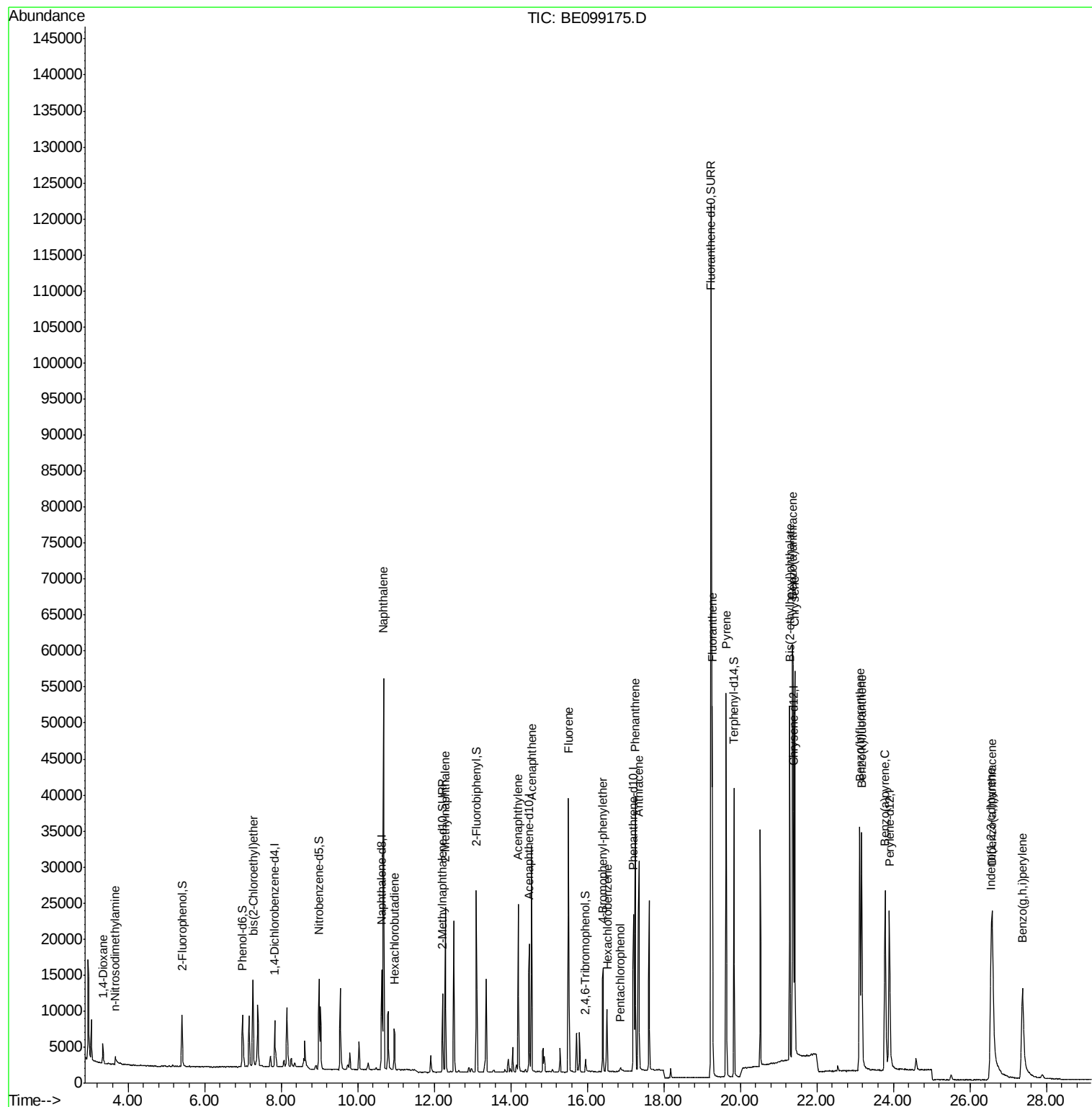
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.34  | 88   | 1991     | 0.439 | ng    | # 92   |
| 3) n-Nitrosodimethylamine      | 3.67  | 42   | 1039     | 0.409 | ng    | # 93   |
| 6) bis(2-Chloroethyl)ether     | 7.26  | 93   | 5386     | 0.436 | ng    | 97     |
| 9) Naphthalene                 | 10.68 | 128  | 83979    | 0.439 | ng    | 100    |
| 10) Hexachlorobutadiene        | 10.95 | 225  | 4360     | 0.427 | ng    | 98     |
| 12) 2-Methylnaphthalene        | 12.29 | 142  | 15093    | 0.441 | ng    | 99     |
| 16) Acenaphthylene             | 14.20 | 152  | 25204    | 0.424 | ng    | 100    |
| 17) Acenaphthene               | 14.54 | 154  | 15833    | 0.446 | ng    | 97     |
| 18) Fluorene                   | 15.51 | 166  | 21930    | 0.439 | ng    | 100    |
| 20) 4-Bromophenyl-phenylether  | 16.41 | 248  | 8619     | 0.438 | ng    | 96     |
| 21) Hexachlorobenzene          | 16.52 | 284  | 7981     | 0.419 | ng    | 98     |
| 22) Pentachlorophenol          | 16.87 | 266  | 557      | 0.438 | ng    | 97     |
| 23) Phenanthrene               | 17.25 | 178  | 38513    | 0.430 | ng    | 100    |
| 24) Anthracene                 | 17.35 | 178  | 33720    | 0.416 | ng    | 99     |
| 26) Fluoranthene               | 19.27 | 202  | 48086    | 0.420 | ng    | 100    |
| 28) Pyrene                     | 19.63 | 202  | 48680    | 0.427 | ng    | 100    |
| 30) Benzo(a)anthracene         | 21.36 | 228  | 47798    | 0.422 | ng    | 99     |
| 31) Chrysene                   | 21.43 | 228  | 51366    | 0.424 | ng    | 97     |
| 32) Bis(2-ethylhexyl)phthalate | 21.29 | 149  | 50486    | 0.374 | ng    | 100    |
| 33) Indeno(1,2,3-cd)pyrene     | 26.55 | 276  | 51957    | 0.454 | ng    | 97     |
| 35) Benzo(b)fluoranthene       | 23.12 | 252  | 49213    | 0.406 | ng    | 99     |
| 36) Benzo(k)fluoranthene       | 23.17 | 252  | 52999    | 0.414 | ng    | 99     |
| 37) Benzo(a)pyrene             | 23.78 | 252  | 46655    | 0.412 | ng    | 99     |
| 38) Dibenzo(a,h)anthracene     | 26.58 | 278  | 41766    | 0.416 | ng    | 98     |
| 39) Benzo(g,h,i)perylene       | 27.38 | 276  | 42466    | 0.421 | ng    | 99     |

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

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QLast Update : Tue Mar 26 07:02:06 2019  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.84 min Scan# 432

Delta R.T. -0.00 min

Lab File: BE099175.D

Acq: 25 Mar 2019 9:53

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

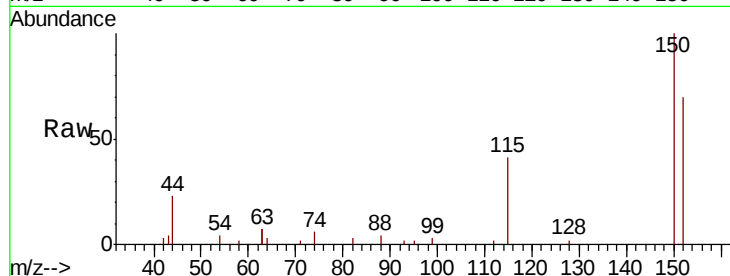
Tot Ion:152 Resp: 3440

Ion Ratio Lower Upper

152 100

150 142.5 112.8 169.2

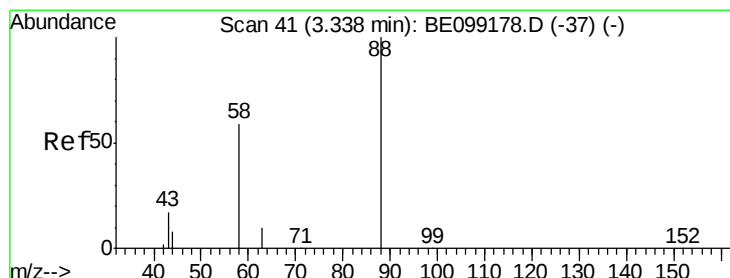
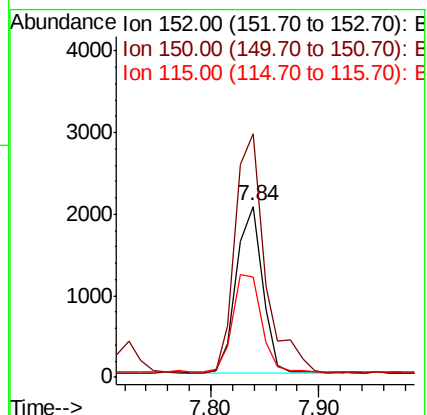
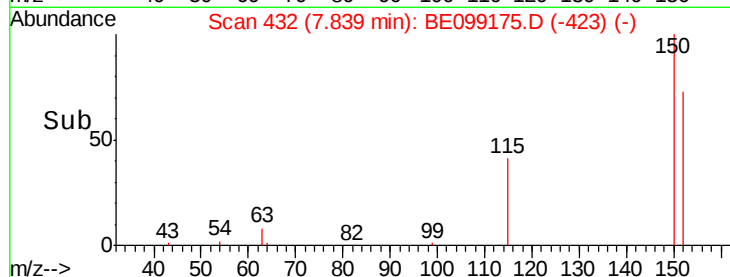
115 58.3 45.1 67.7



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: 0.439 ng

RT: 3.34 min Scan# 41

Delta R.T. -0.00 min

Lab File: BE099175.D

Acq: 25 Mar 2019 9:53

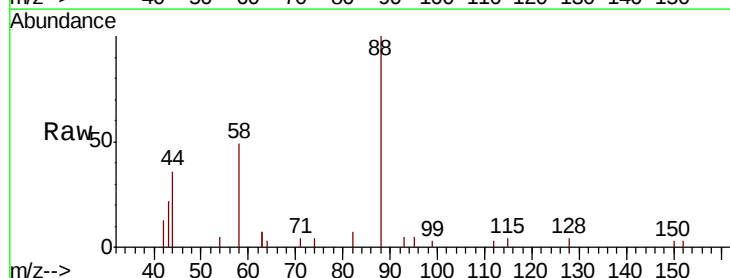
Tgt Ion: 88 Resp: 1991

Ion Ratio Lower Upper

88 100

58 63.8 47.4 71.0

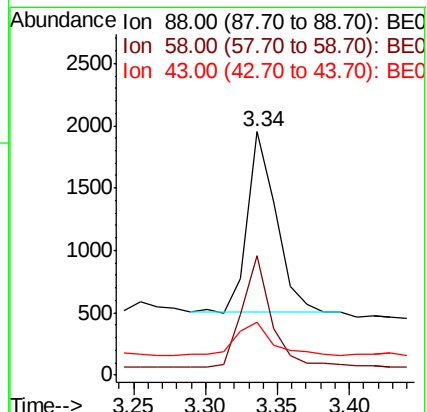
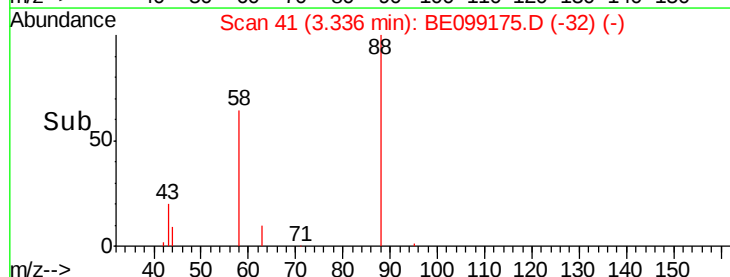
43 25.6 15.6 23.4#



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



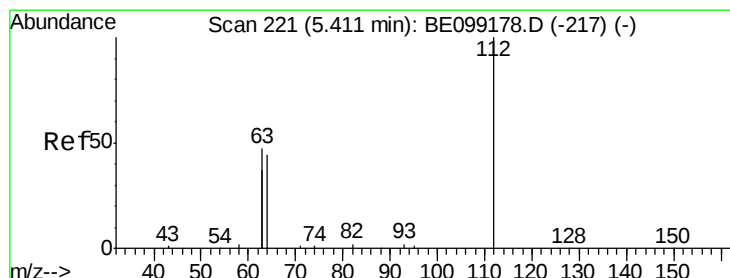
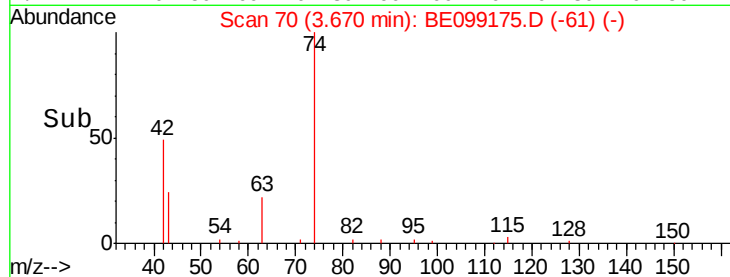
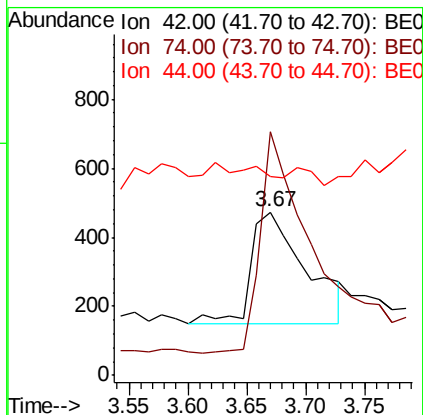
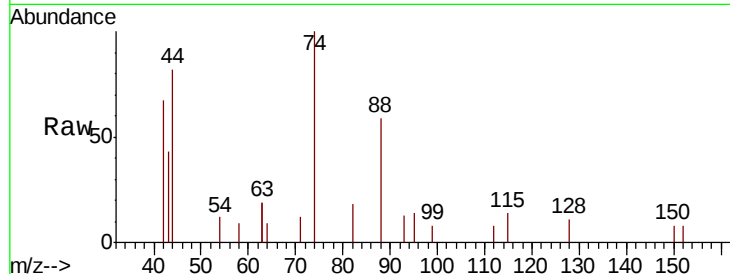


#3

n-Nitrosodimethylamine  
 Concen: 0.409 ng  
 RT: 3.67 min Scan# 70  
 Delta R.T. -0.00 min  
 Lab File: BE099175.D  
 Acq: 25 Mar 2019 9:53

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

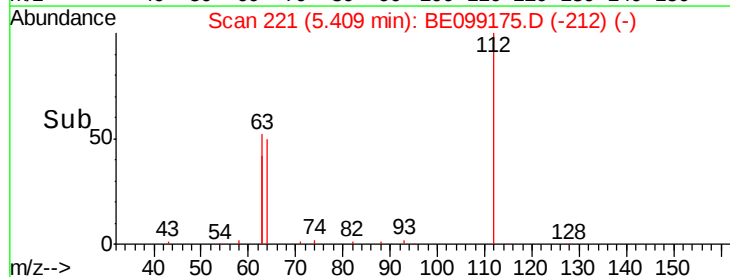
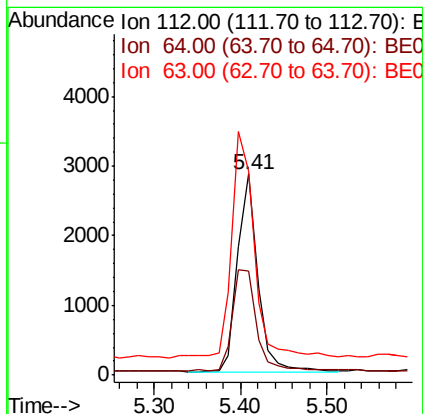
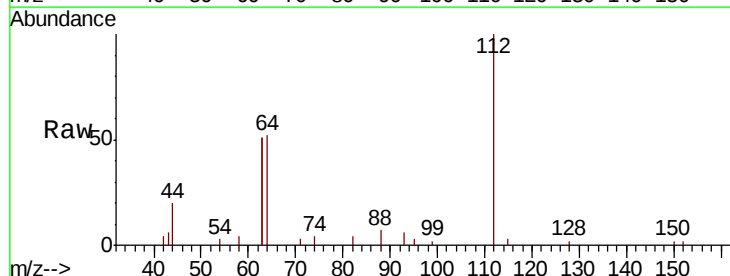
Tot Ion: 42 Resp: 1039  
 Ion Ratio Lower Upper  
 42 100  
 74 169.1 138.6 207.8  
 44 0.0 15.0 22.6#

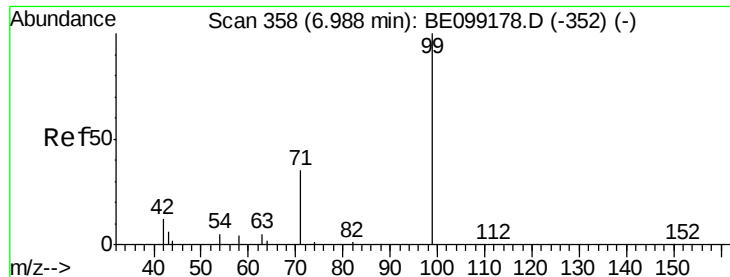


#4

2-Fluorophenol  
 Concen: 0.452 ng  
 RT: 5.41 min Scan# 221  
 Delta R.T. -0.00 min  
 Lab File: BE099175.D  
 Acq: 25 Mar 2019 9:53

Tgt Ion: 112 Resp: 4647  
 Ion Ratio Lower Upper  
 112 100  
 64 61.6 46.2 69.2  
 63 124.3 89.9 134.9





#5

Phenol-d6

Concen: 0.450 ng

RT: 6.99 min Scan# 358

Delta R.T. -0.00 min

Lab File: BE099175.D

Acq: 25 Mar 2019 9:53

Instrument :

BNA\_E

ClientSampled :

SSTDCCC0.4

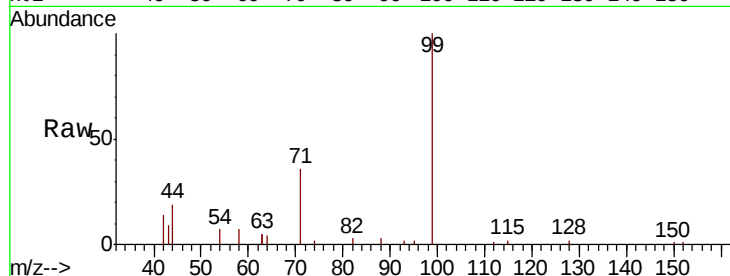
Tot Ion: 99 Resp: 7067

Ion Ratio Lower Upper

99 100

42 15.2 12.4 18.6

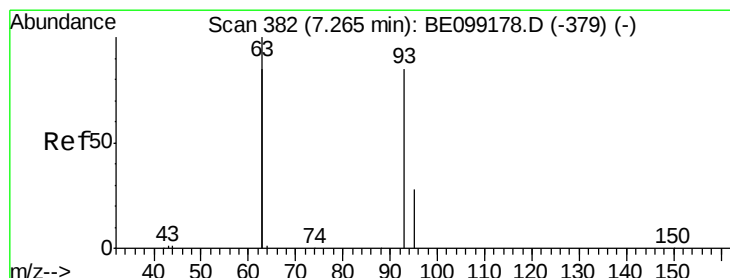
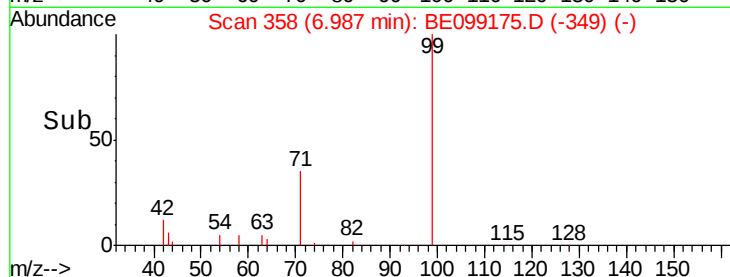
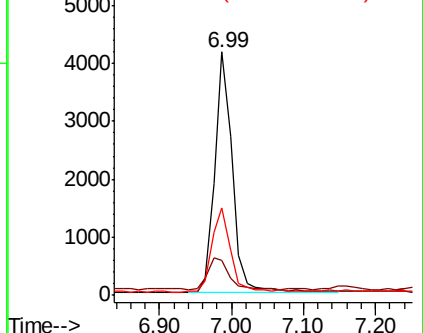
71 37.0 28.4 42.6



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: 0.436 ng

RT: 7.26 min Scan# 382

Delta R.T. -0.00 min

Lab File: BE099175.D

Acq: 25 Mar 2019 9:53

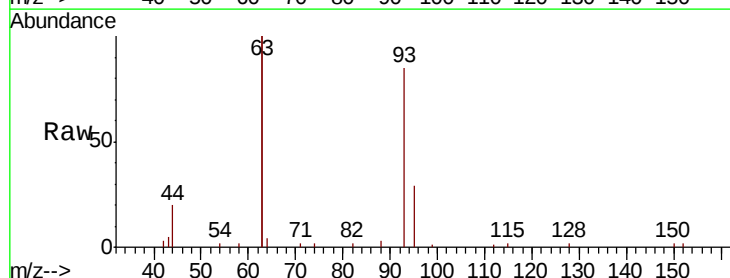
Tgt Ion: 93 Resp: 5386

Ion Ratio Lower Upper

93 100

63 283.1 221.4 332.0

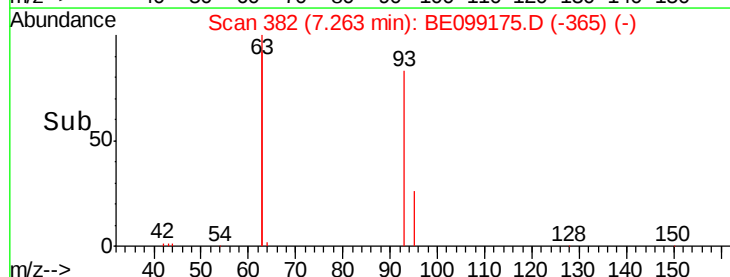
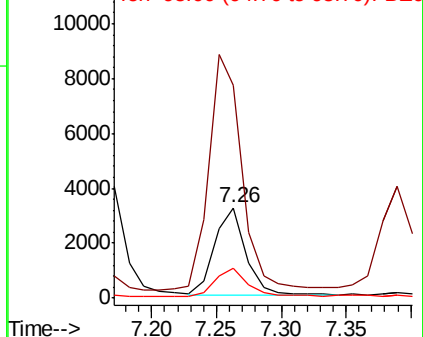
95 32.4 25.8 38.8



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: 10.63 min Scan# 651

Delta R.T. -0.00 min

Lab File: BE099175.D

Acq: 25 Mar 2019 9:53

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

Tot Ion:136 Resp: 16236

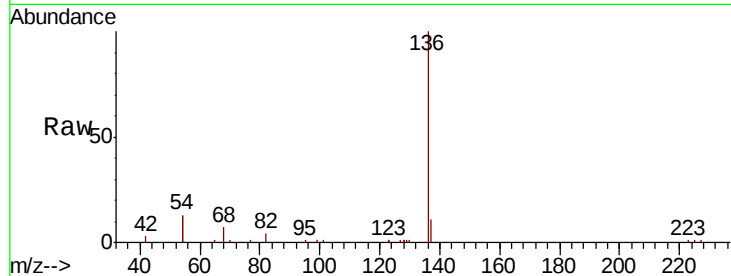
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 26.8 18.7 28.1

68 6.7 5.2 7.8

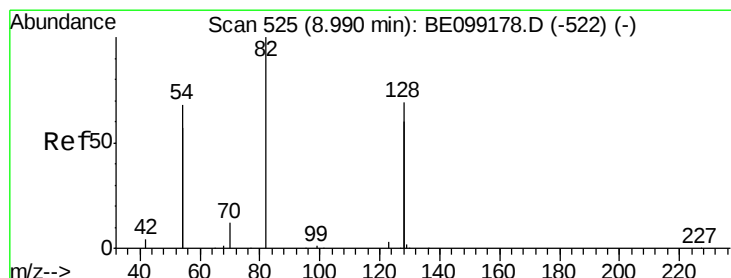
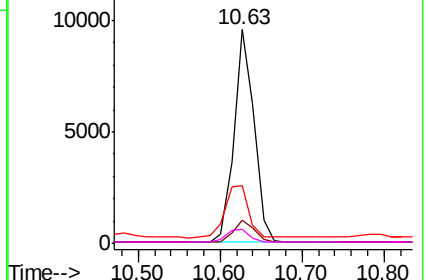
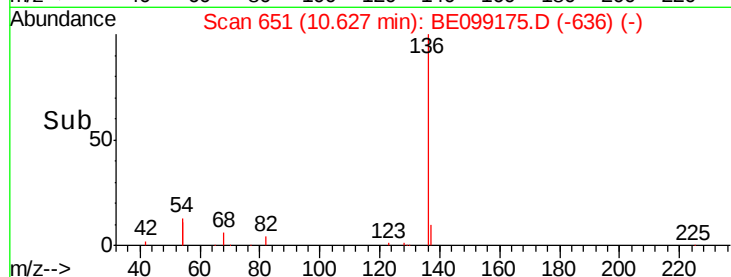


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.427 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.00 min

Lab File: BE099175.D

Acq: 25 Mar 2019 9:53

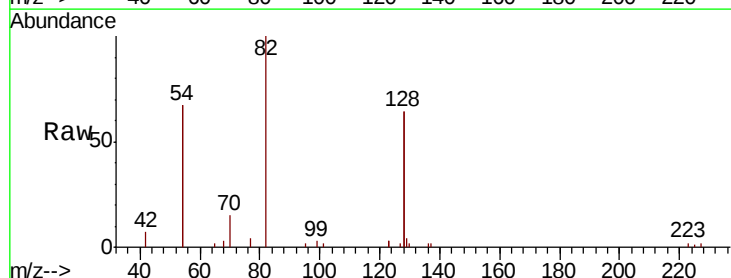
Tgt Ion: 82 Resp: 5658

Ion Ratio Lower Upper

82 100

128 129.0 107.5 161.3

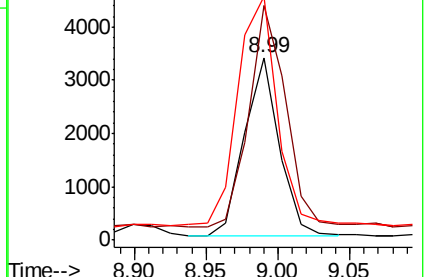
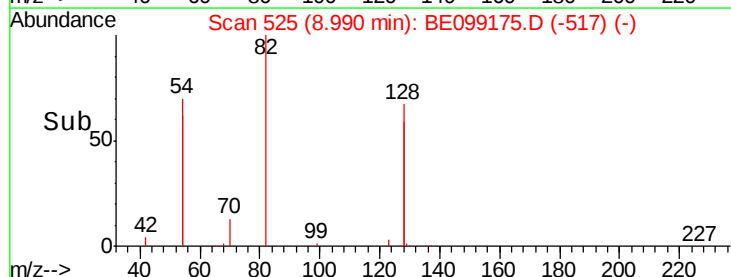
54 133.5 106.3 159.5

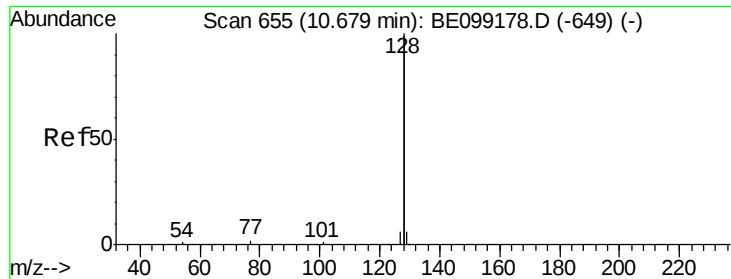


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.439 ng

RT: 10.68 min Scan# 655

Delta R.T. -0.00 min

Lab File: BE099175.D

Acq: 25 Mar 2019 9:53

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

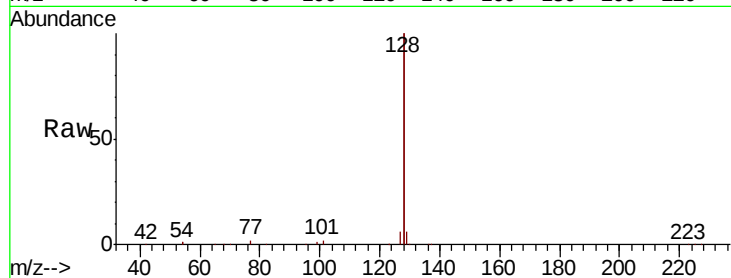
Tot Ion:128 Resp: 83979

Ion Ratio Lower Upper

128 100

129 2.9 2.3 3.5

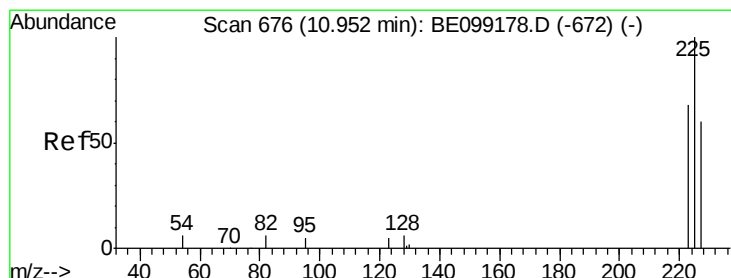
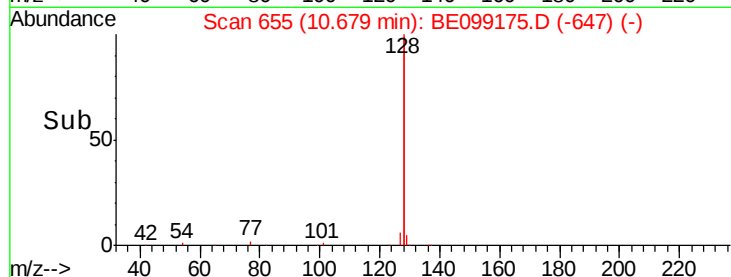
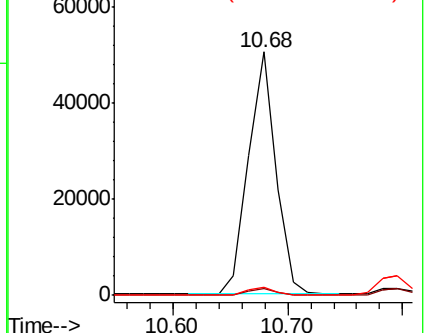
127 3.2 2.6 3.8



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: 0.427 ng

RT: 10.95 min Scan# 676

Delta R.T. -0.00 min

Lab File: BE099175.D

Acq: 25 Mar 2019 9:53

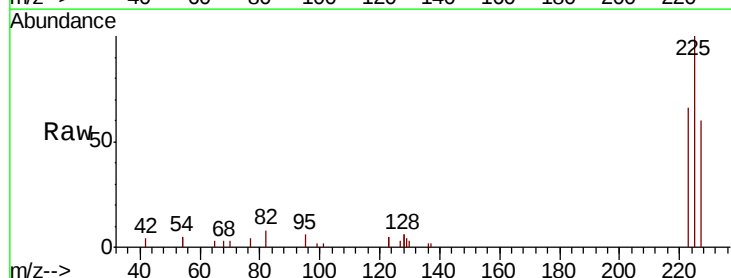
Tgt Ion:225 Resp: 4360

Ion Ratio Lower Upper

225 100

223 63.5 51.3 76.9

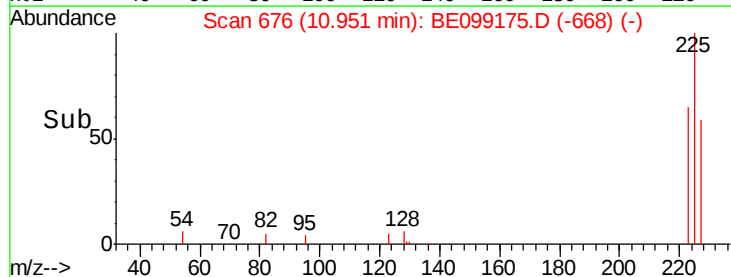
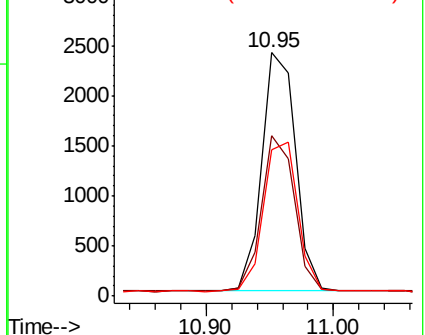
227 64.1 48.6 73.0

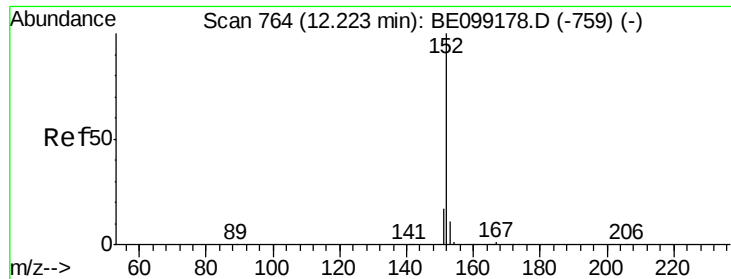


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

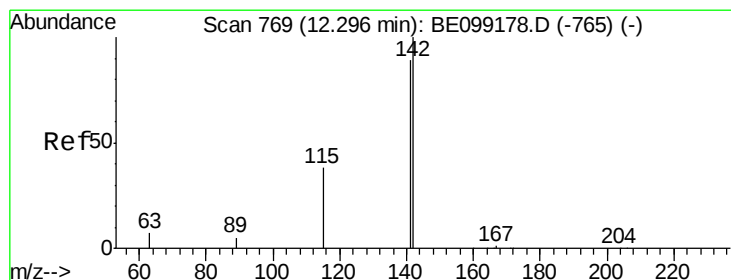
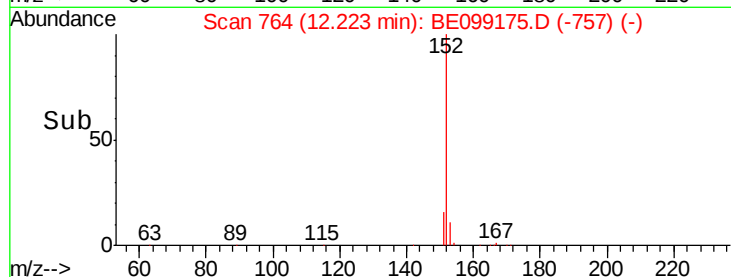
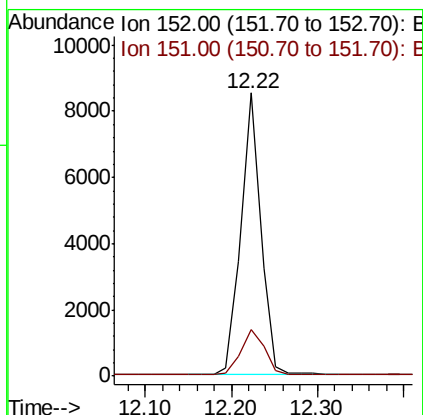
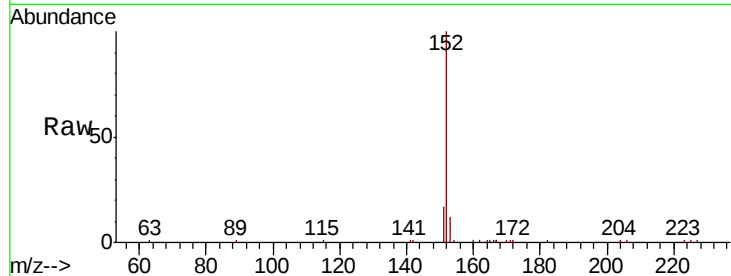




#11  
2-Methylnaphthalene-d10  
Concen: 0.430 ng  
RT: 12.22 min Scan# 764  
Delta R.T. -0.00 min  
Lab File: BE099175.D  
Acq: 25 Mar 2019 9:53

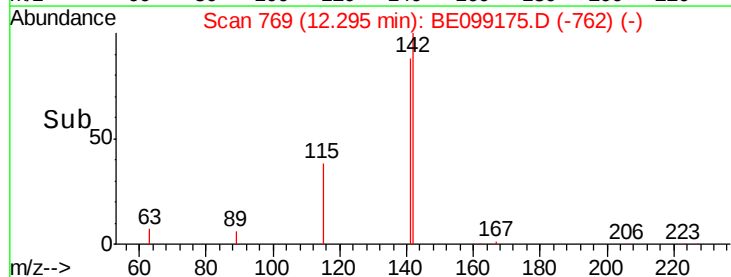
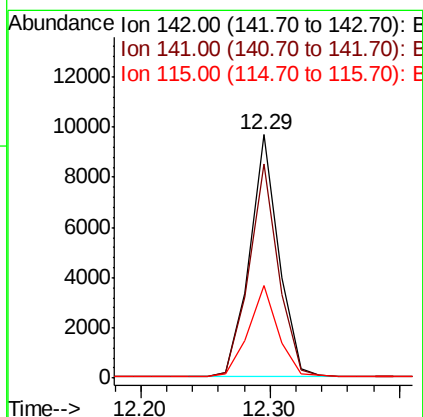
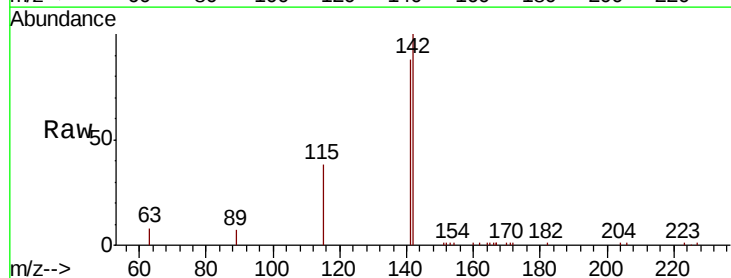
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

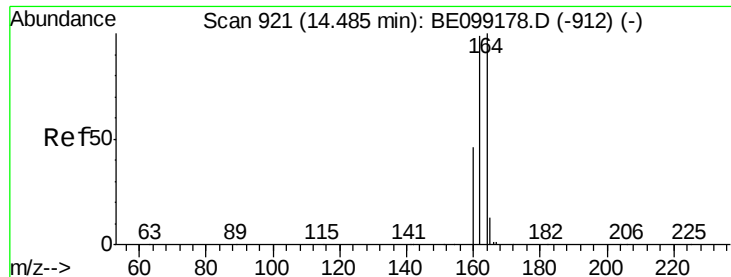
Tot Ion:152 Resp: 13463  
Ion Ratio Lower Upper  
152 100  
151 19.2 15.0 22.6



#12  
2-Methylnaphthalene  
Concen: 0.441 ng  
RT: 12.29 min Scan# 769  
Delta R.T. -0.00 min  
Lab File: BE099175.D  
Acq: 25 Mar 2019 9:53

Tgt Ion:142 Resp: 15093  
Ion Ratio Lower Upper  
142 100  
141 88.2 71.3 106.9  
115 38.1 30.4 45.6

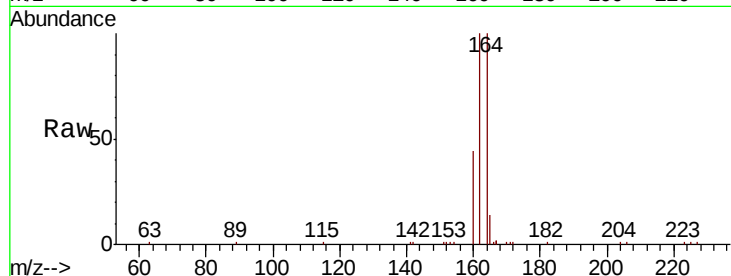




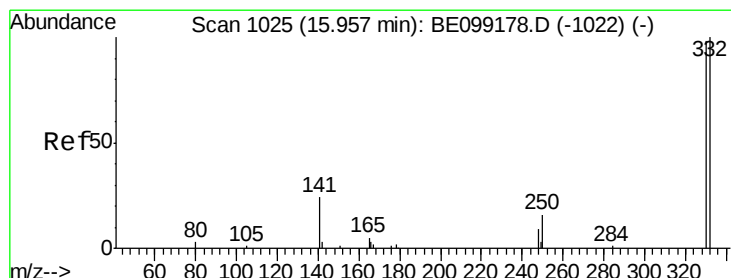
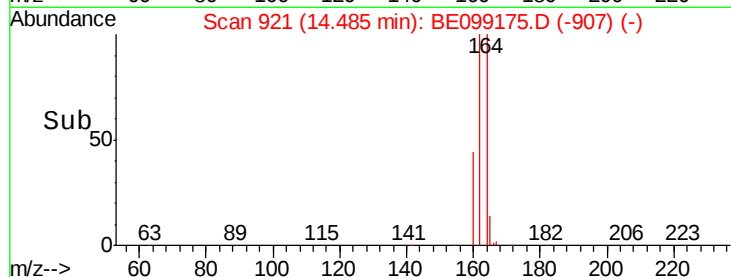
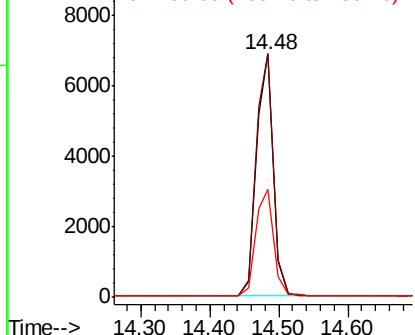
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.48 min Scan# 921  
Delta R.T. -0.00 min  
Lab File: BE099175.D  
Acq: 25 Mar 2019 9:53

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

Tot Ion:164 Resp: 11648  
Ion Ratio Lower Upper  
164 100  
162 100.1 79.2 118.8  
160 44.2 36.7 55.1

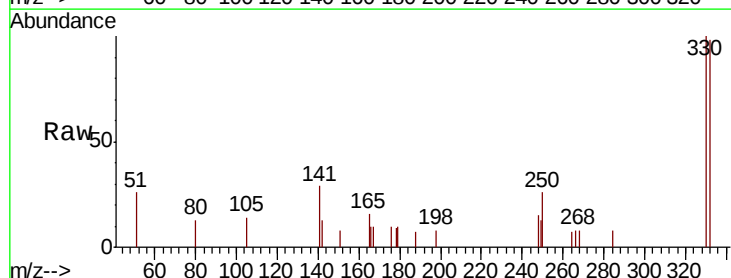


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

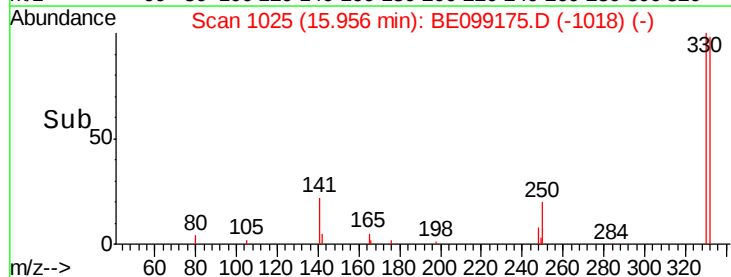
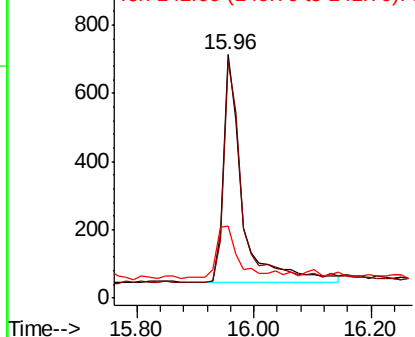


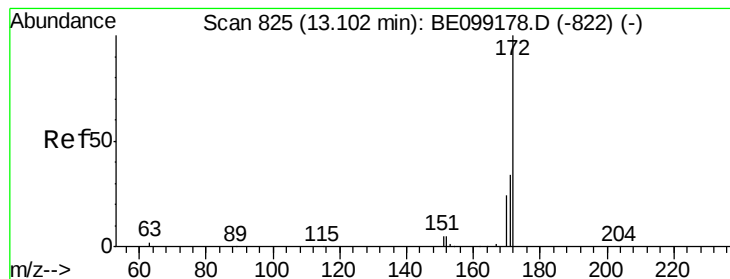
#14  
2,4,6-Tribromophenol  
Concen: 0.459 ng  
RT: 15.96 min Scan# 1025  
Delta R.T. -0.00 min  
Lab File: BE099175.D  
Acq: 25 Mar 2019 9:53

Tgt Ion:330 Resp: 1526  
Ion Ratio Lower Upper  
330 100  
332 96.7 71.3 106.9  
141 26.5 21.7 32.5



Abundance Ion 330.00 (329.70 to 330.70): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.459 ng

RT: 13.10 min Scan# 825

Delta R.T. -0.00 min

Lab File: BE099175.D

Acq: 25 Mar 2019 9:53

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

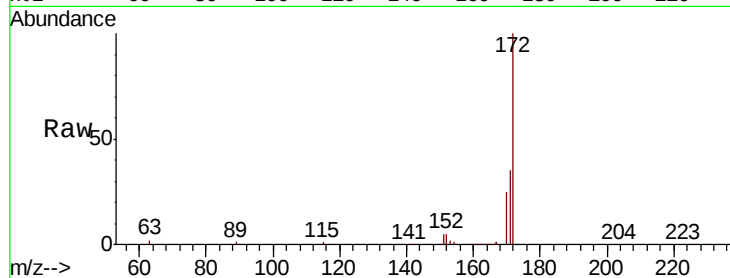
Tot Ion:172 Resp: 21776

Ion Ratio Lower Upper

172 100

171 34.8 27.4 41.0

170 24.6 19.1 28.7

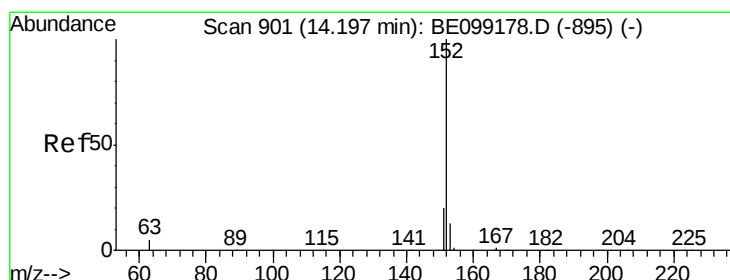
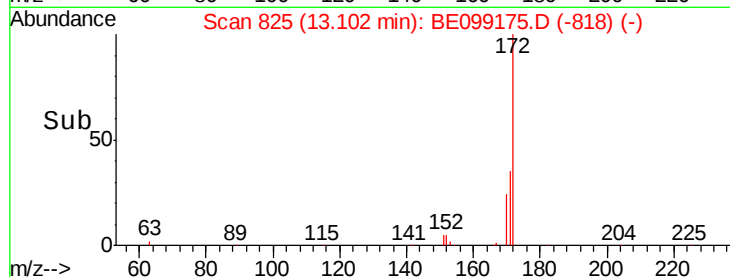
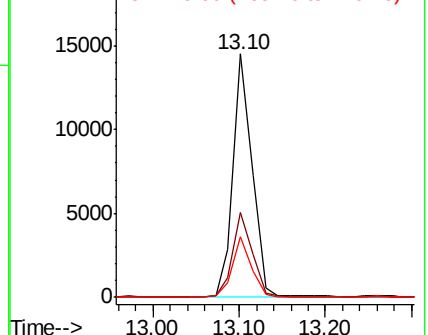


Abundance

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: 0.424 ng

RT: 14.20 min Scan# 901

Delta R.T. -0.00 min

Lab File: BE099175.D

Acq: 25 Mar 2019 9:53

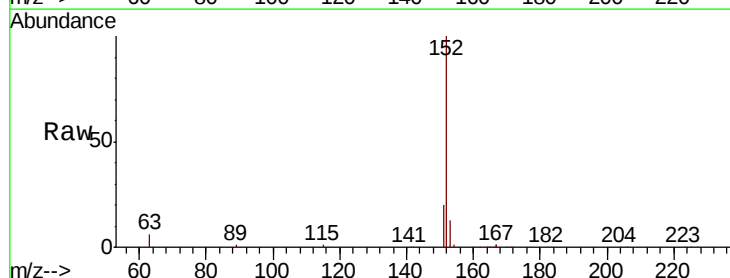
Tgt Ion:152 Resp: 25204

Ion Ratio Lower Upper

152 100

151 19.4 15.7 23.5

153 13.2 10.6 15.8

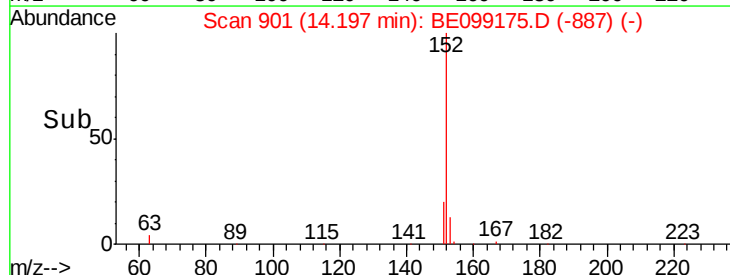
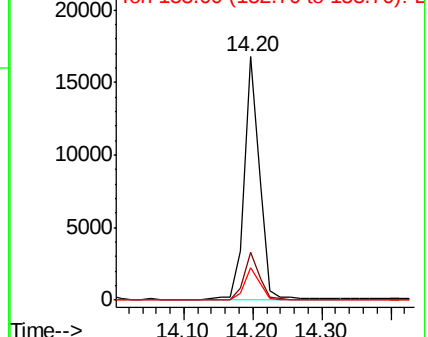


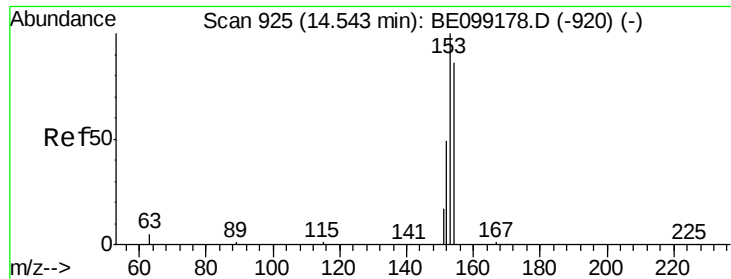
Abundance

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

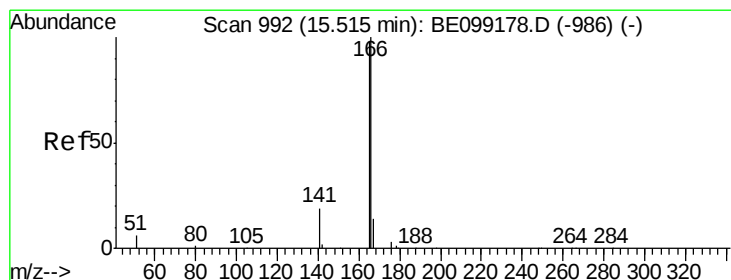
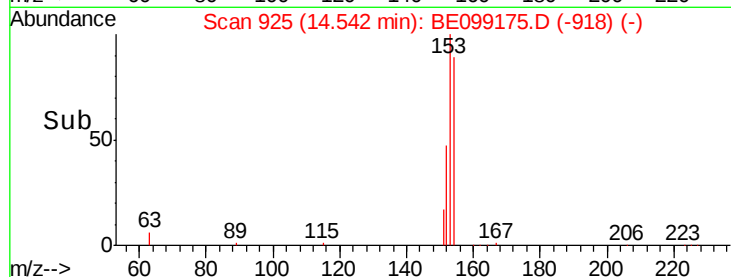
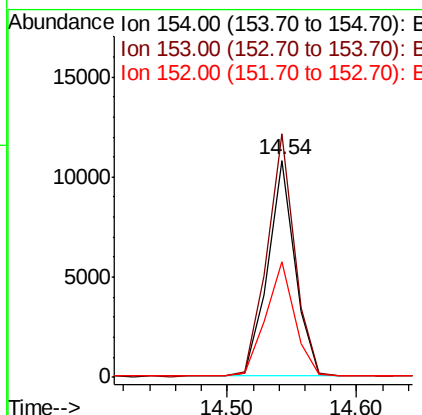
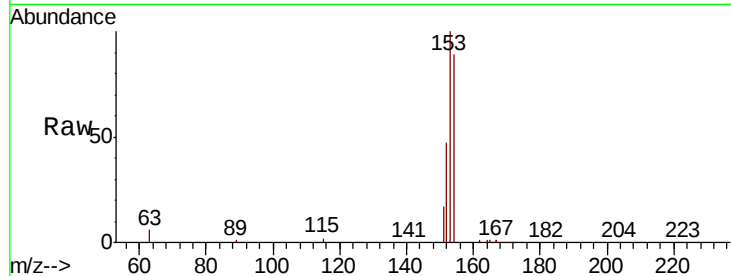




#17  
Acenaphthene  
Concen: 0.446 ng  
RT: 14.54 min Scan# 925  
Delta R.T. -0.00 min  
Lab File: BE099175.D  
Acq: 25 Mar 2019 9:53

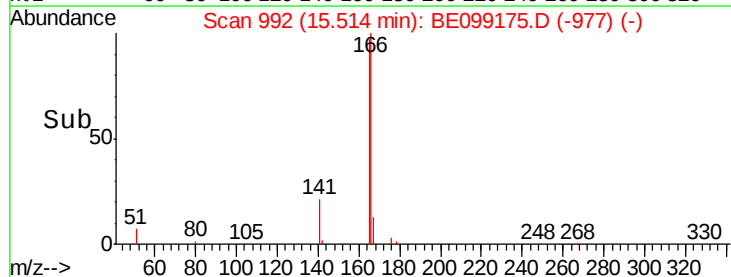
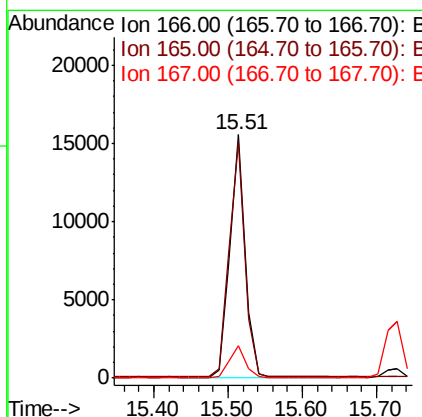
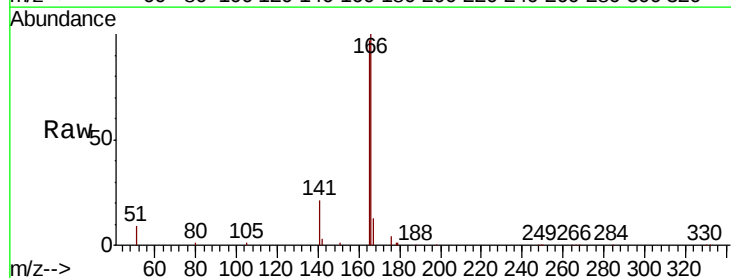
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

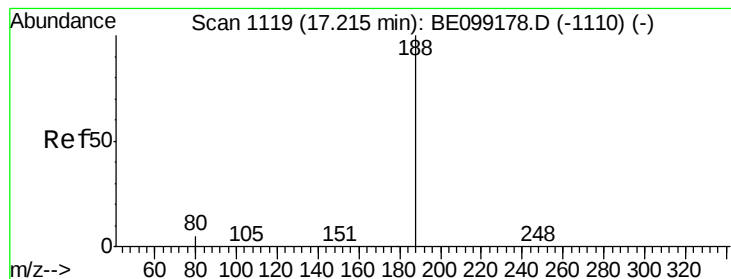
Tot Ion:154 Resp: 15833  
Ion Ratio Lower Upper  
154 100  
153 113.9 93.4 140.0  
152 56.1 46.6 69.8



#18  
Fluorene  
Concen: 0.439 ng  
RT: 15.51 min Scan# 992  
Delta R.T. -0.00 min  
Lab File: BE099175.D  
Acq: 25 Mar 2019 9:53

Tgt Ion:166 Resp: 21930  
Ion Ratio Lower Upper  
166 100  
165 98.9 78.9 118.3  
167 13.1 10.9 16.3





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.21 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BE099175.D

Acq: 25 Mar 2019 9:53

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

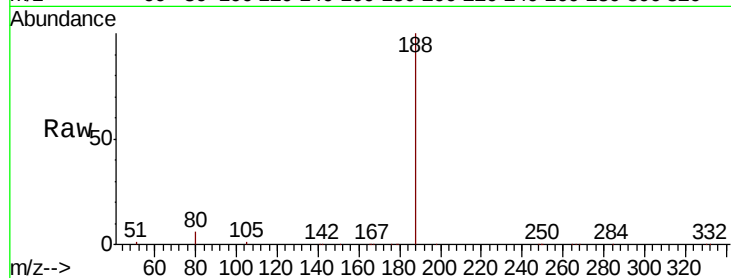
Tot Ion:188 Resp: 30524

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

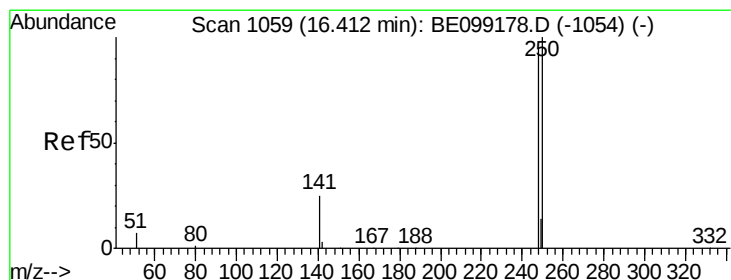
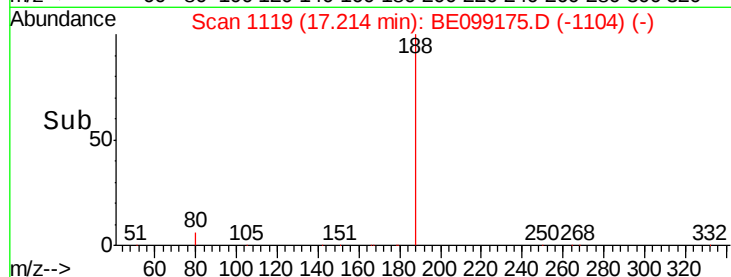
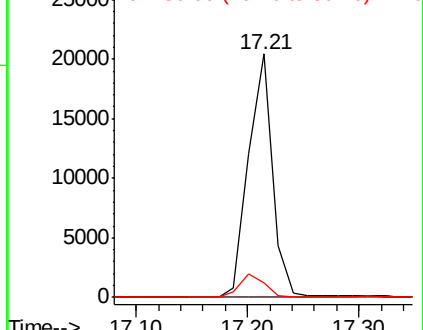
80 6.2 4.5 6.7



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: 0.438 ng

RT: 16.41 min Scan# 1059

Delta R.T. -0.00 min

Lab File: BE099175.D

Acq: 25 Mar 2019 9:53

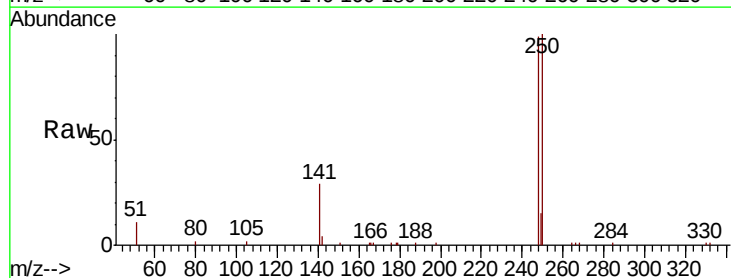
Tgt Ion:248 Resp: 8619

Ion Ratio Lower Upper

248 100

250 101.1 84.2 126.2

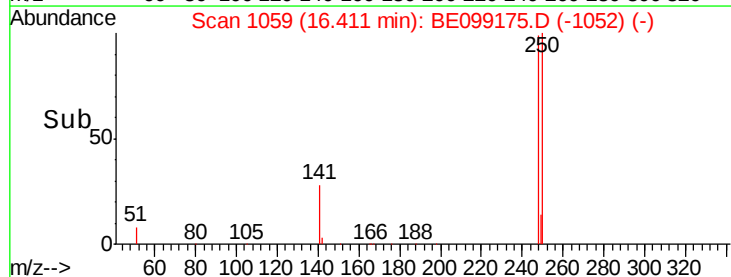
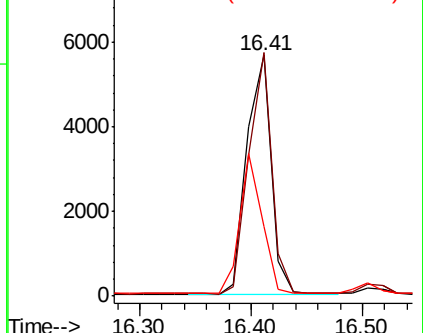
141 29.1 21.8 32.6

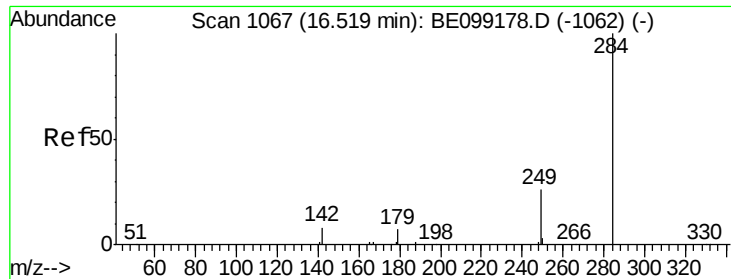


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.419 ng

RT: 16.52 min Scan# 1067

Delta R.T. -0.00 min

Lab File: BE099175.D

Acq: 25 Mar 2019 9:53

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

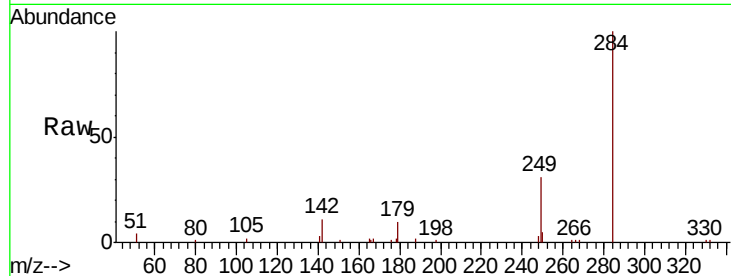
Tot Ion:284 Resp: 7981

Ion Ratio Lower Upper

284 100

142 28.8 22.7 34.1

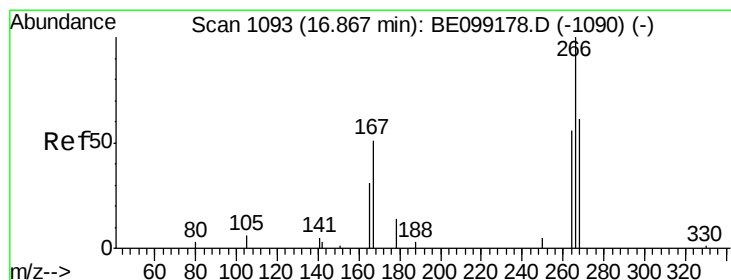
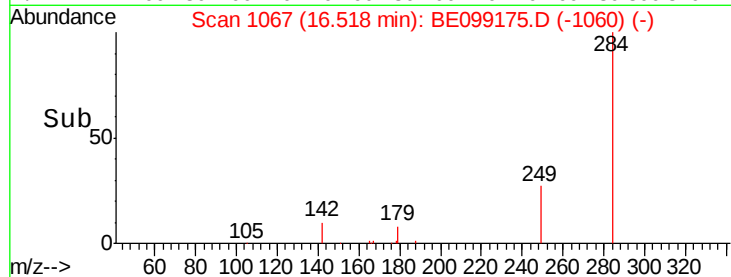
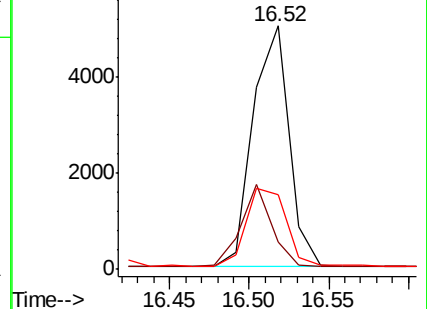
249 35.0 26.9 40.3



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: 0.438 ng

RT: 16.87 min Scan# 1093

Delta R.T. 0.00 min

Lab File: BE099175.D

Acq: 25 Mar 2019 9:53

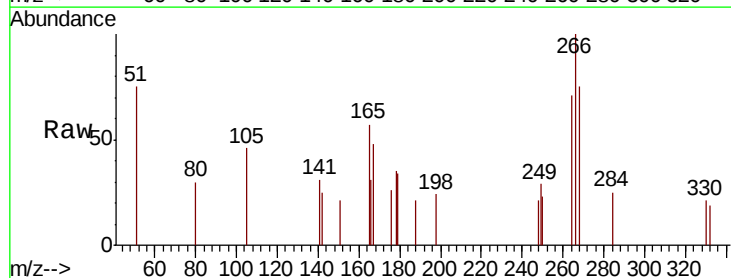
Tgt Ion:266 Resp: 557

Ion Ratio Lower Upper

266 100

264 70.6 54.4 81.6

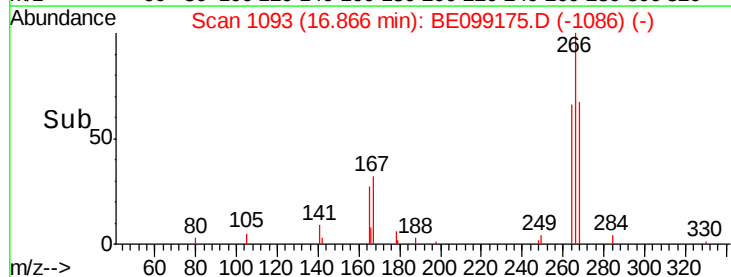
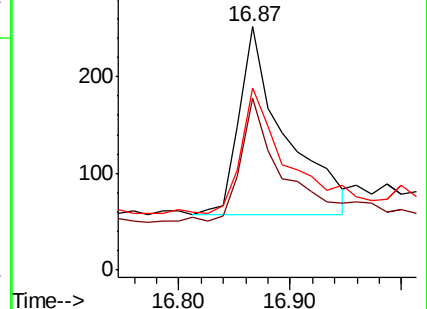
268 74.6 61.3 91.9

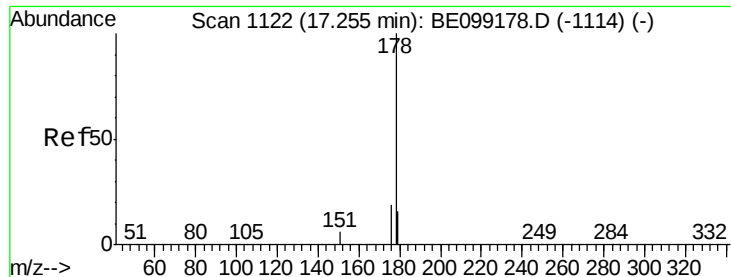


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.430 ng

RT: 17.25 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE099175.D

Acq: 25 Mar 2019 9:53

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

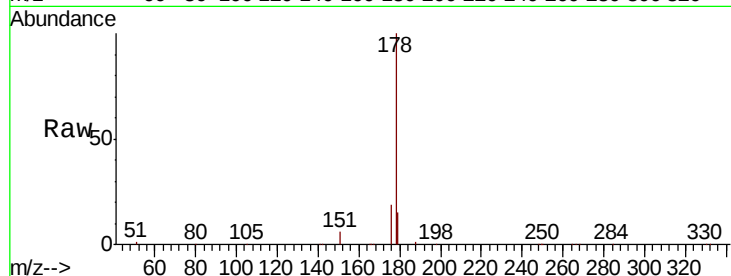
Tot Ion:178 Resp: 38513

Ion Ratio Lower Upper

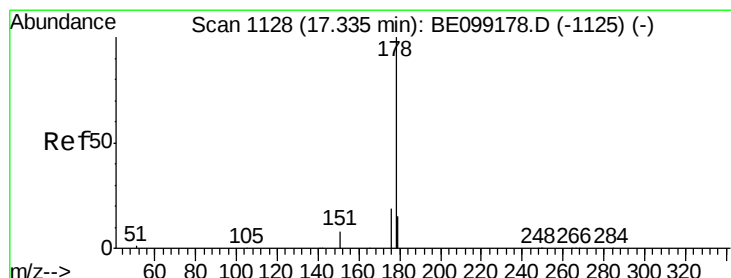
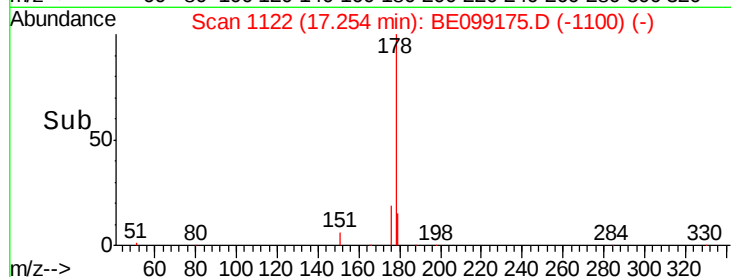
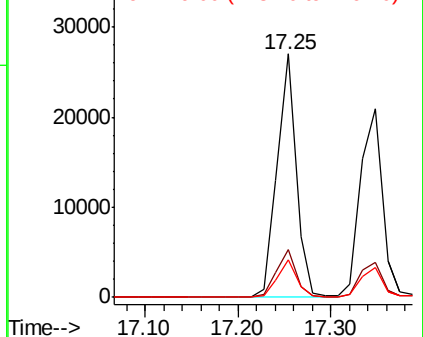
178 100

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: 0.416 ng

RT: 17.35 min Scan# 1129

Delta R.T. 0.01 min

Lab File: BE099175.D

Acq: 25 Mar 2019 9:53

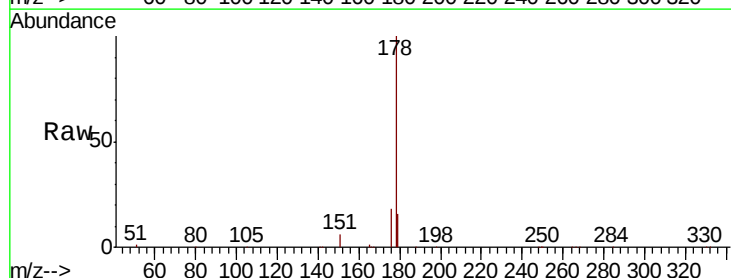
Tgt Ion:178 Resp: 33720

Ion Ratio Lower Upper

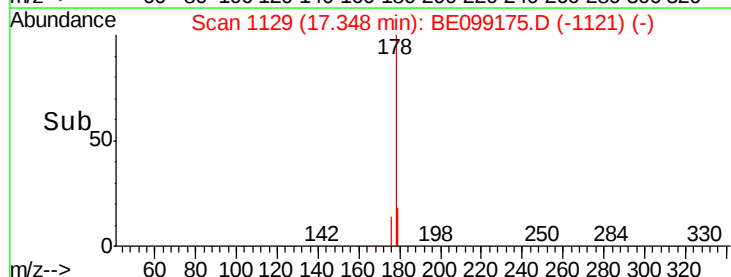
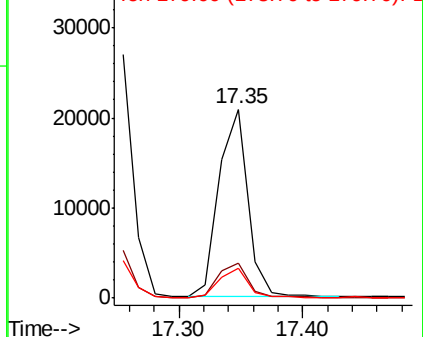
178 100

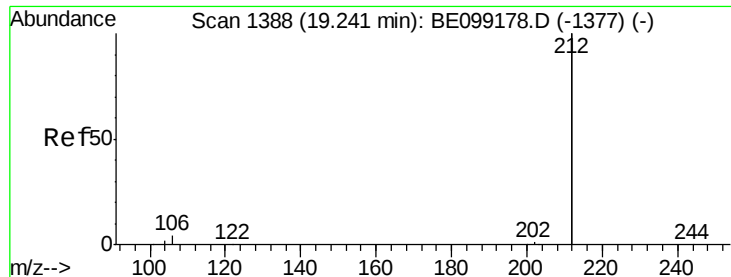
176 18.5 15.1 22.7

179 15.3 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





#25

Fluoranthene-d10

Concen: 0.423 ng

RT: 19.24 min Scan# 1387

Delta R.T. -0.00 min

Lab File: BE099175.D

Acq: 25 Mar 2019 9:53

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

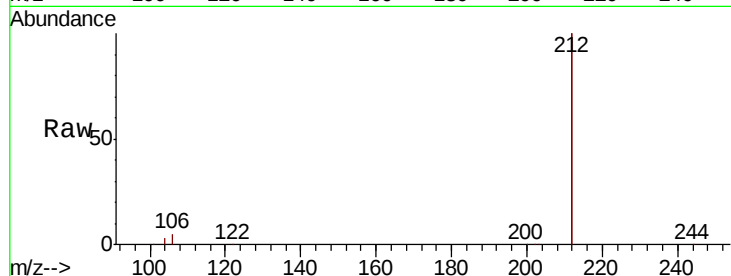
Tot Ion:212 Resp: 156508

Ion Ratio Lower Upper

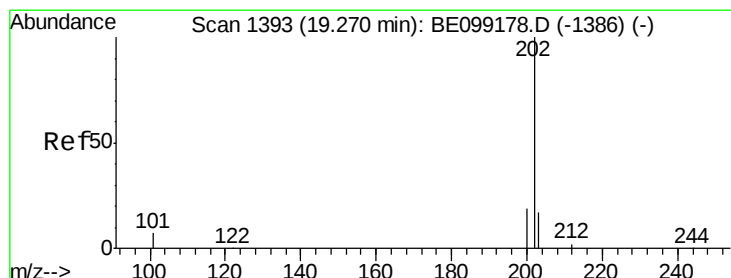
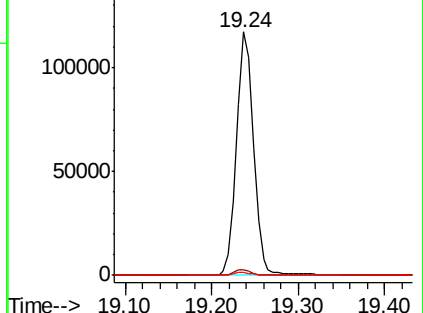
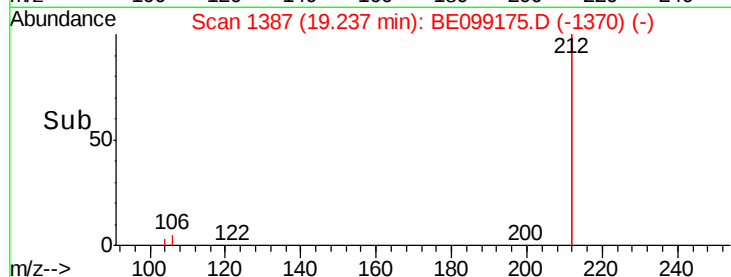
212 100

106 2.4 1.8 2.8

104 1.3 1.1 1.7



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: 0.420 ng

RT: 19.27 min Scan# 1393

Delta R.T. 0.00 min

Lab File: BE099175.D

Acq: 25 Mar 2019 9:53

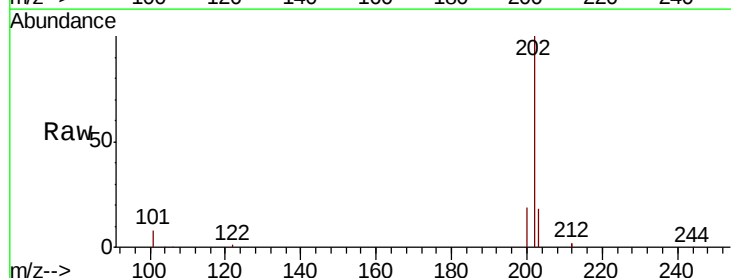
Tgt Ion:202 Resp: 48086

Ion Ratio Lower Upper

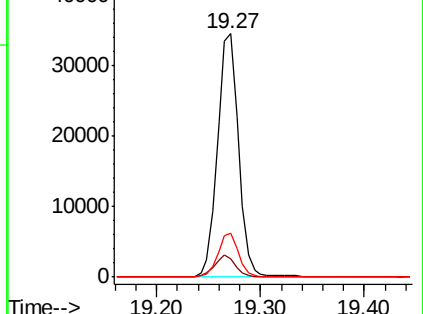
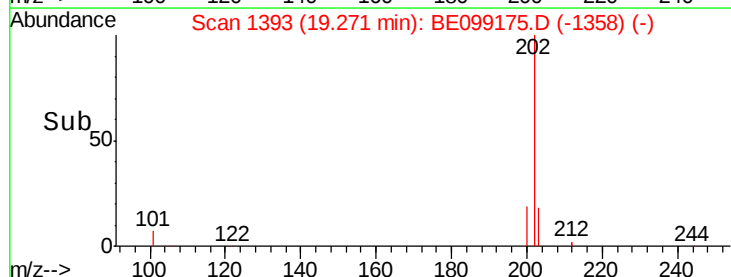
202 100

101 8.8 7.0 10.4

203 17.4 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

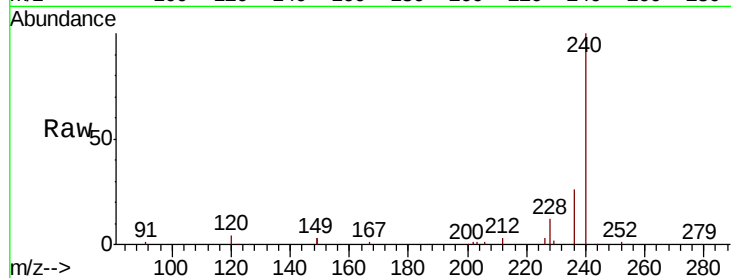




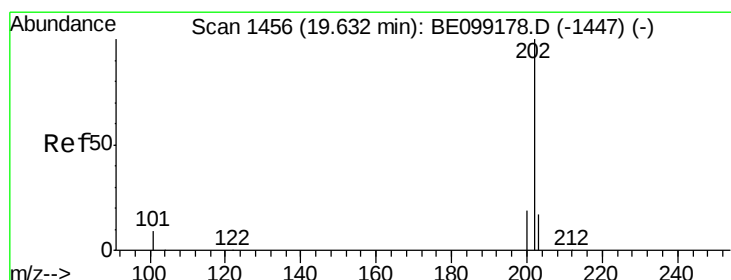
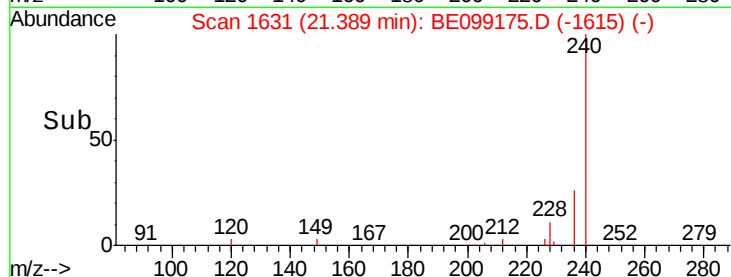
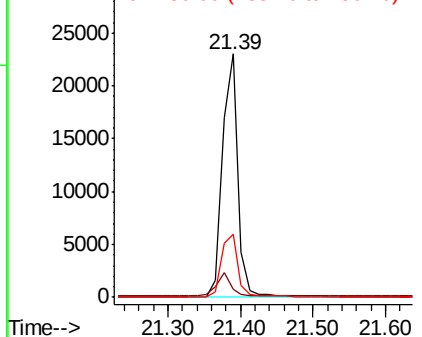
#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.39 min Scan# 1631  
Delta R.T. -0.00 min  
Lab File: BE099175.D  
Acq: 25 Mar 2019 9:53

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

Tot Ion:240 Resp: 34322  
Ion Ratio Lower Upper  
240 100  
120 3.6 2.6 3.8  
236 26.2 20.9 31.3

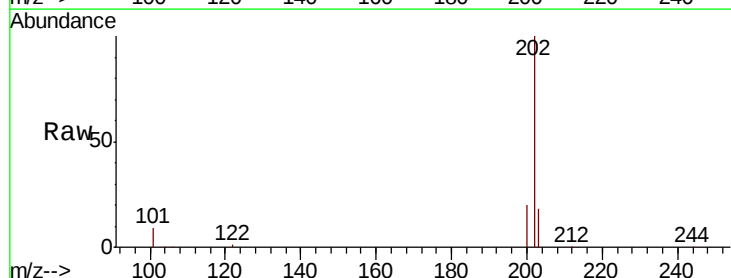


Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

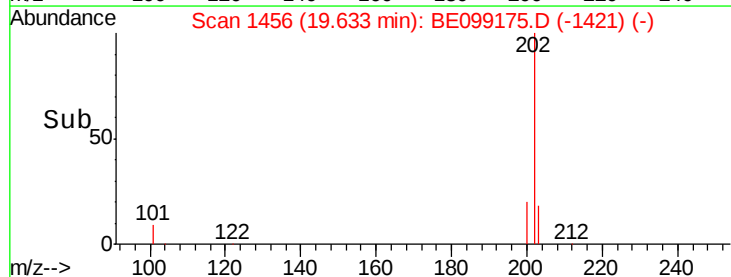
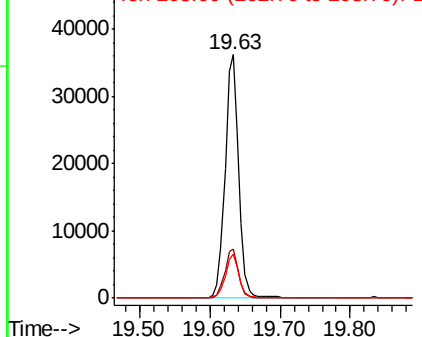


#28  
Pyrene  
Concen: 0.427 ng  
RT: 19.63 min Scan# 1456  
Delta R.T. 0.00 min  
Lab File: BE099175.D  
Acq: 25 Mar 2019 9:53

Tgt Ion:202 Resp: 48680  
Ion Ratio Lower Upper  
202 100  
200 19.9 15.8 23.8  
203 17.6 14.1 21.1



Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.471 ng

RT: 19.83 min Scan# 1491

Delta R.T. 0.00 min

Lab File: BE099175.D

Acq: 25 Mar 2019 9:53

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

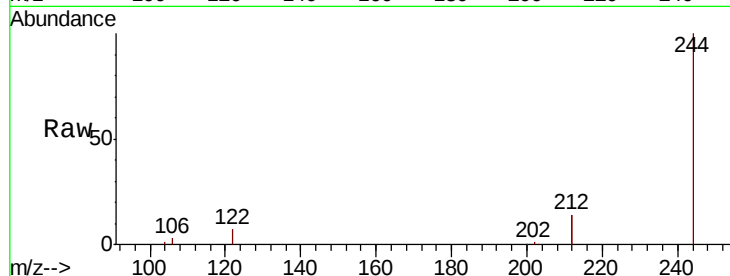
Tot Ion:244 Resp: 35186

Ion Ratio Lower Upper

244 100

212 27.8 22.7 34.1

122 7.2 5.8 8.6

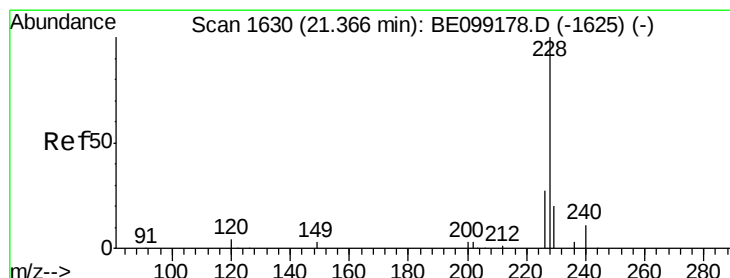
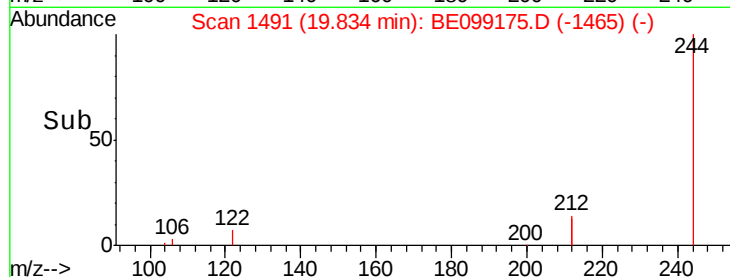
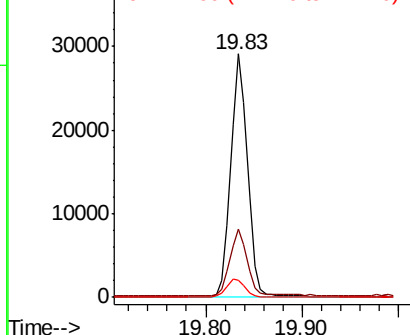


Abundance

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: 0.422 ng

RT: 21.36 min Scan# 1629

Delta R.T. -0.00 min

Lab File: BE099175.D

Acq: 25 Mar 2019 9:53

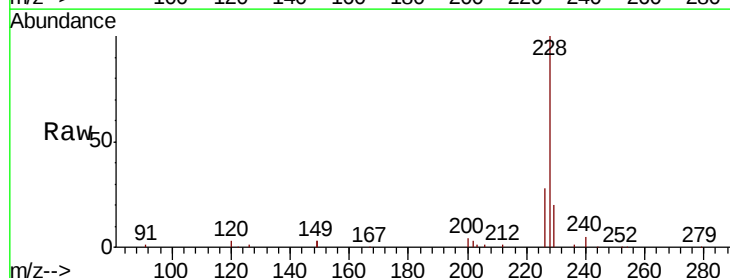
Tgt Ion:228 Resp: 47798

Ion Ratio Lower Upper

228 100

226 27.7 21.7 32.5

229 19.7 15.9 23.9

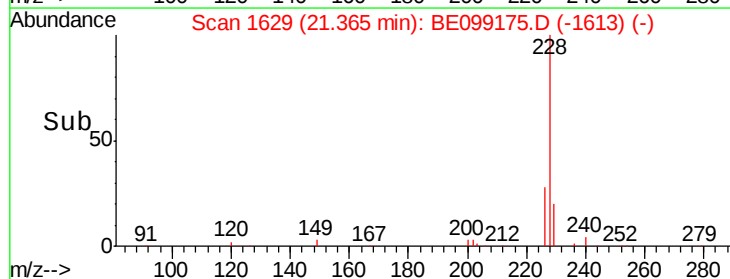
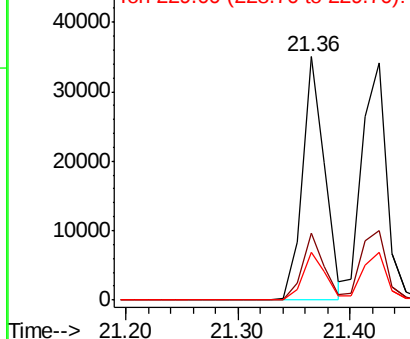


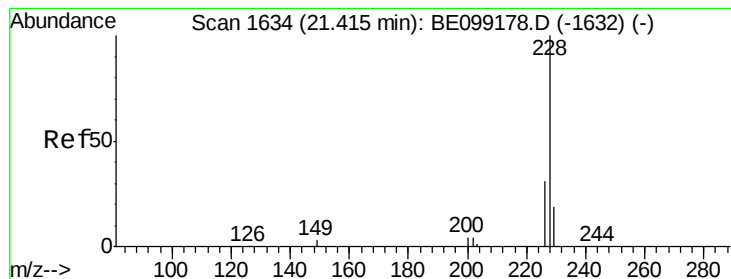
Abundance

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

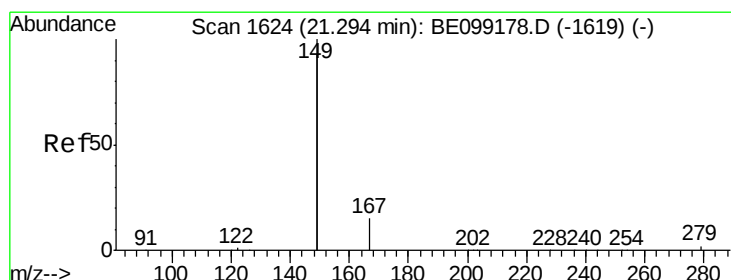
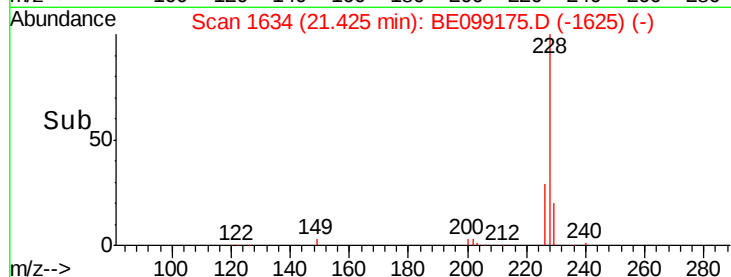
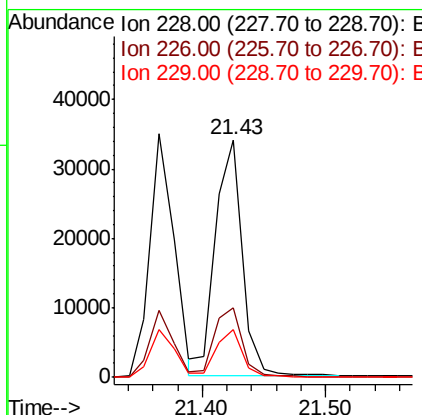
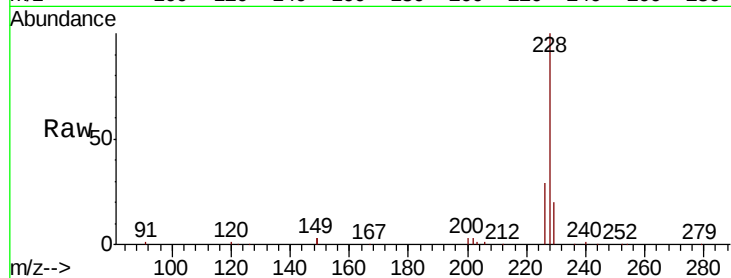




#31  
Chrysene  
Concen: 0.424 ng  
RT: 21.43 min Scan# 1634  
Delta R.T. 0.01 min  
Lab File: BE099175.D  
Acq: 25 Mar 2019 9:53

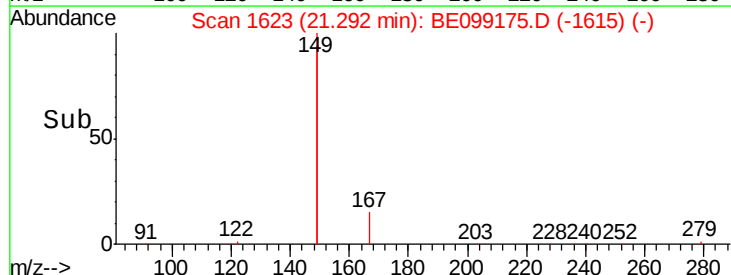
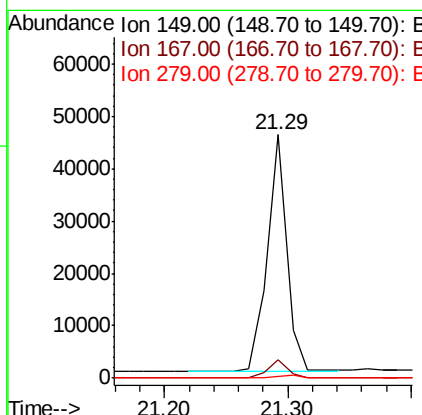
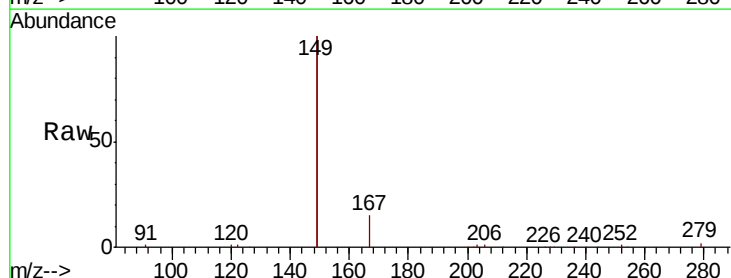
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

Tot Ion:228 Resp: 51366  
Ion Ratio Lower Upper  
228 100  
226 29.2 24.8 37.2  
229 20.2 15.4 23.0



#32  
Bis(2-ethylhexyl)phthalate  
Concen: 0.374 ng  
RT: 21.29 min Scan# 1623  
Delta R.T. -0.00 min  
Lab File: BE099175.D  
Acq: 25 Mar 2019 9:53

Tgt Ion:149 Resp: 50486  
Ion Ratio Lower Upper  
149 100  
167 7.3 5.9 8.9  
279 1.3 1.0 1.6





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.454 ng

RT: 26.55 min Scan# 2947

Delta R.T. -0.00 min

Lab File: BE099175.D

Acq: 25 Mar 2019 9:53

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

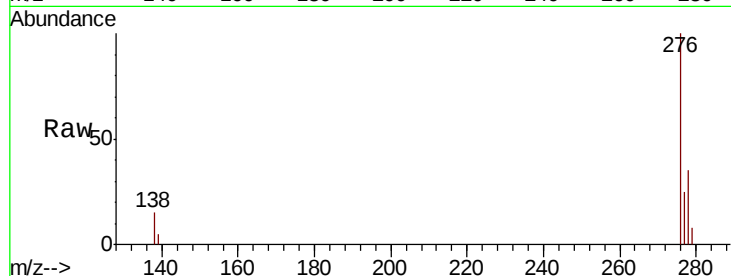
Tot Ion:276 Resp: 51957

Ion Ratio Lower Upper

276 100

138 16.9 12.9 19.3

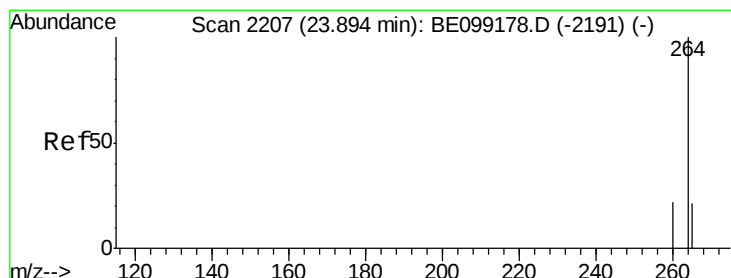
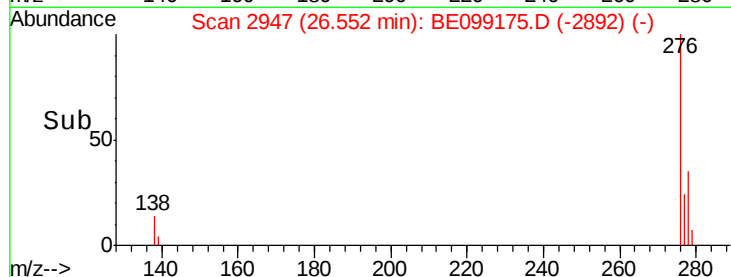
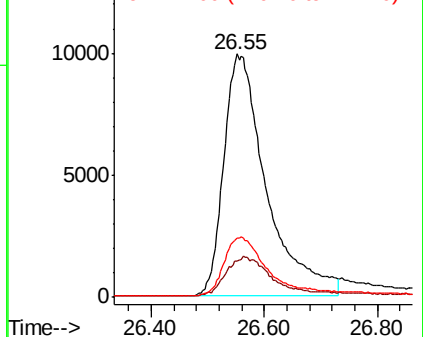
277 24.7 18.3 27.5



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: 23.90 min Scan# 2207

Delta R.T. 0.00 min

Lab File: BE099175.D

Acq: 25 Mar 2019 9:53

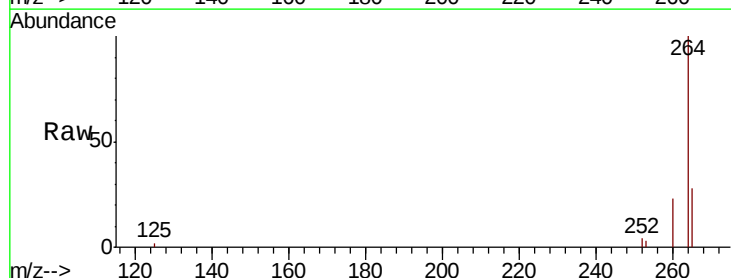
Tgt Ion:264 Resp: 36818

Ion Ratio Lower Upper

264 100

260 23.0 18.2 27.2

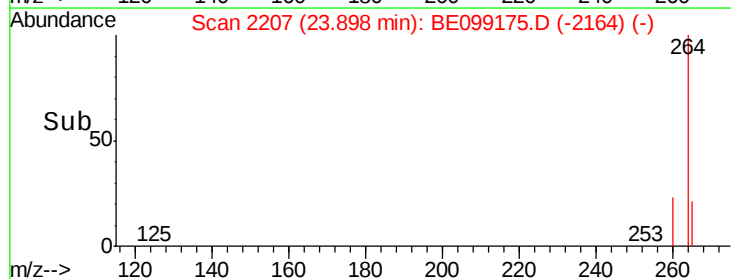
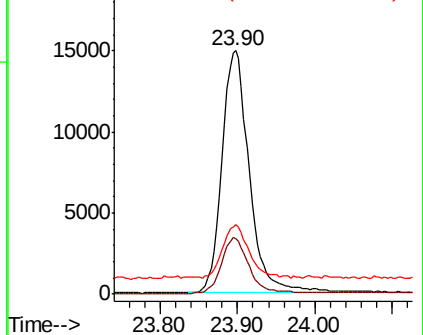
265 28.4 21.8 32.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.406 ng

RT: 23.12 min Scan# 1989

Delta R.T. -0.00 min

Lab File: BE099175.D

Acq: 25 Mar 2019 9:53

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

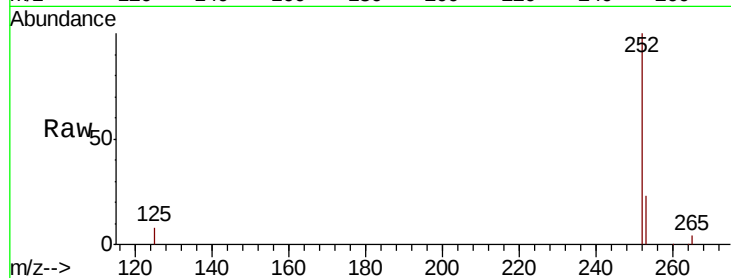
Tot Ion:252 Resp: 49213

Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.8

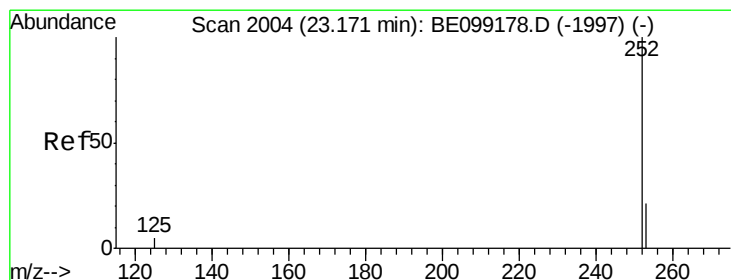
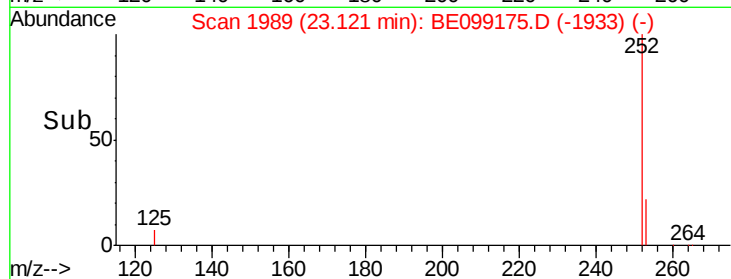
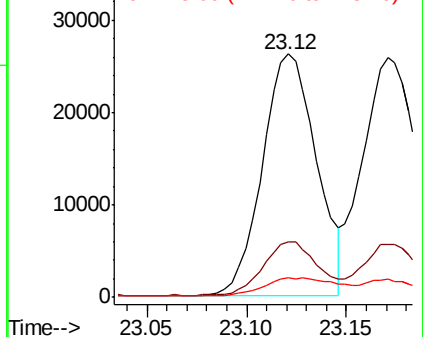
125 8.1 6.1 9.1



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: 0.414 ng

RT: 23.17 min Scan# 2003

Delta R.T. -0.00 min

Lab File: BE099175.D

Acq: 25 Mar 2019 9:53

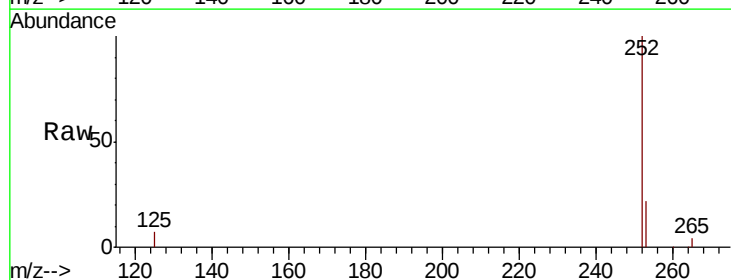
Tgt Ion:252 Resp: 52999

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.6

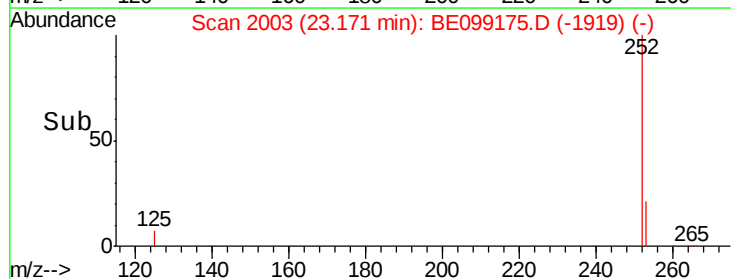
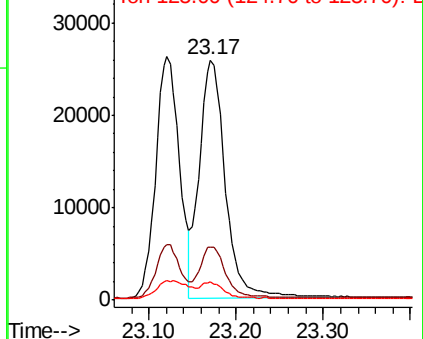
125 7.5 5.9 8.9

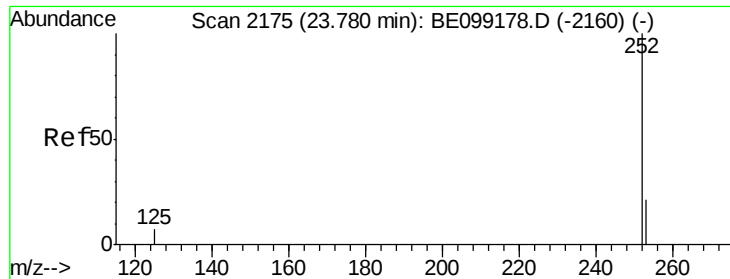


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.412 ng

RT: 23.78 min Scan# 2175

Delta R.T. 0.00 min

Lab File: BE099175.D

Acq: 25 Mar 2019 9:53

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

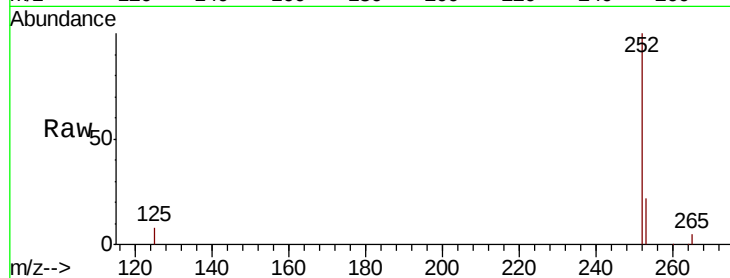
Tot Ion:252 Resp: 46655

Ion Ratio Lower Upper

252 100

253 22.4 18.1 27.1

125 8.0 6.8 10.2

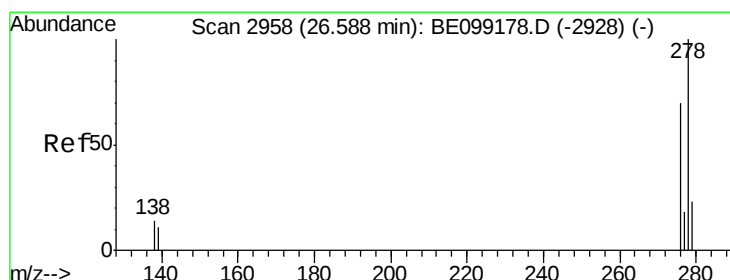
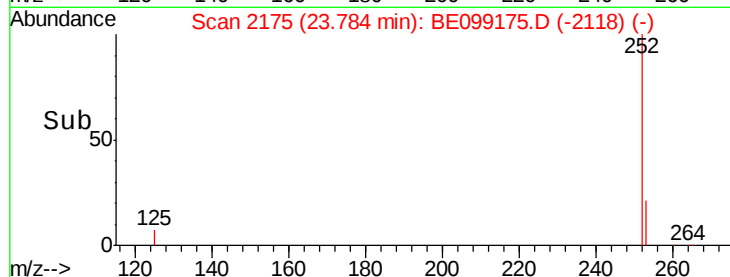
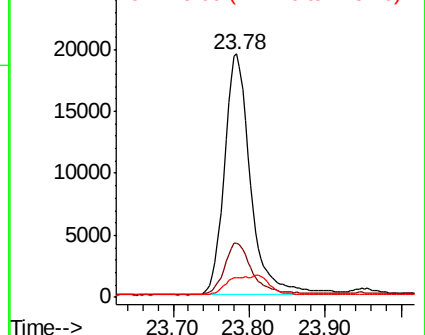


Abundance

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



#38

Dibenzo(a,h)anthracene

Concen: 0.416 ng

RT: 26.58 min Scan# 2956

Delta R.T. -0.00 min

Lab File: BE099175.D

Acq: 25 Mar 2019 9:53

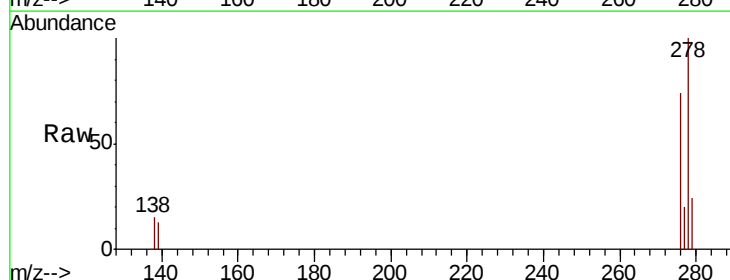
Tgt Ion:278 Resp: 41766

Ion Ratio Lower Upper

278 100

139 13.2 9.5 14.3

279 24.4 19.1 28.7

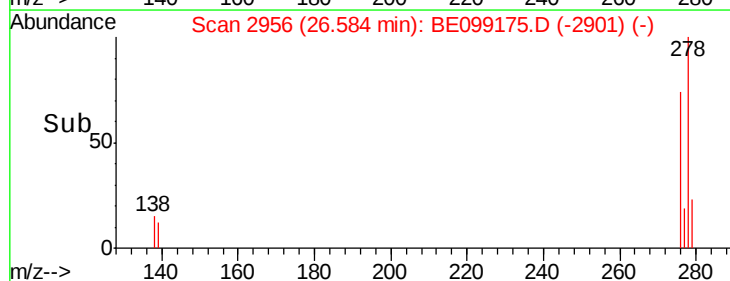
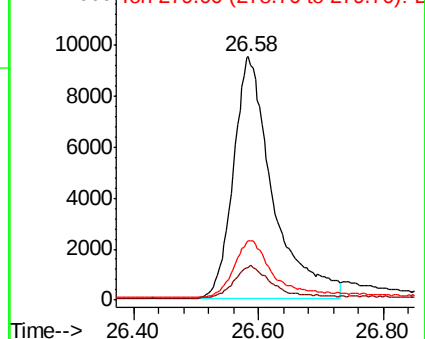


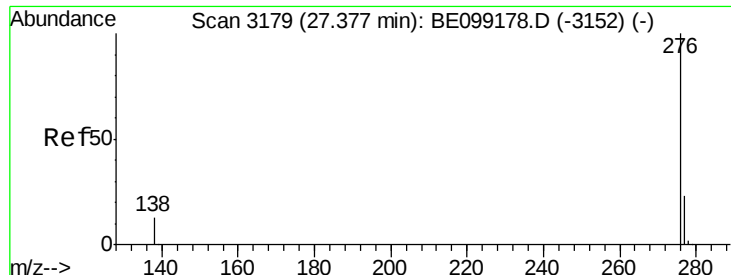
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.421 ng

RT: 27.38 min Scan# 3178

Delta R.T. -0.00 min

Lab File: BE099175.D

Acq: 25 Mar 2019 9:53

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

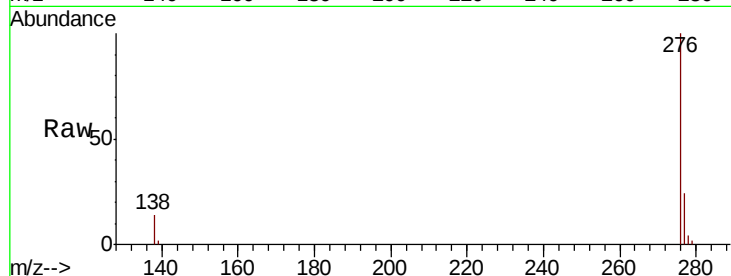
Tot Ion: 276 Resp: 42466

Ion Ratio Lower Upper

276 100

277 24.2 19.0 28.4

138 14.3 11.1 16.7



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

