

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071618\  
 Data File : BE096943.D  
 Acq On : 16 Jul 2018 18:09  
 Operator : SJ/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

Quant Time: Jul 17 15:14:38 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE071618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 17 15:02:56 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.40  | 152  | 2187     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.15 | 136  | 11768    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.03 | 164  | 6198     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 16.77 | 188  | 14658    | 0.40 | ng    | -0.01    |
| 27) Chrysene-d12          | 20.98 | 240  | 12422    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.21 | 264  | 11823    | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.05  | 112  | 2099     | 0.40 | ng    | 0.00     |
| 5) Phenol-d6                | 6.59  | 99   | 3336     | 0.42 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.53  | 82   | 3613     | 0.42 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 11.73 | 152  | 6730     | 0.39 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 15.52 | 330  | 617      | 0.45 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 12.64 | 172  | 9771     | 0.42 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 18.81 | 212  | 48583    | 0.38 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.43 | 244  | 9903     | 0.41 | ng    | 0.00     |

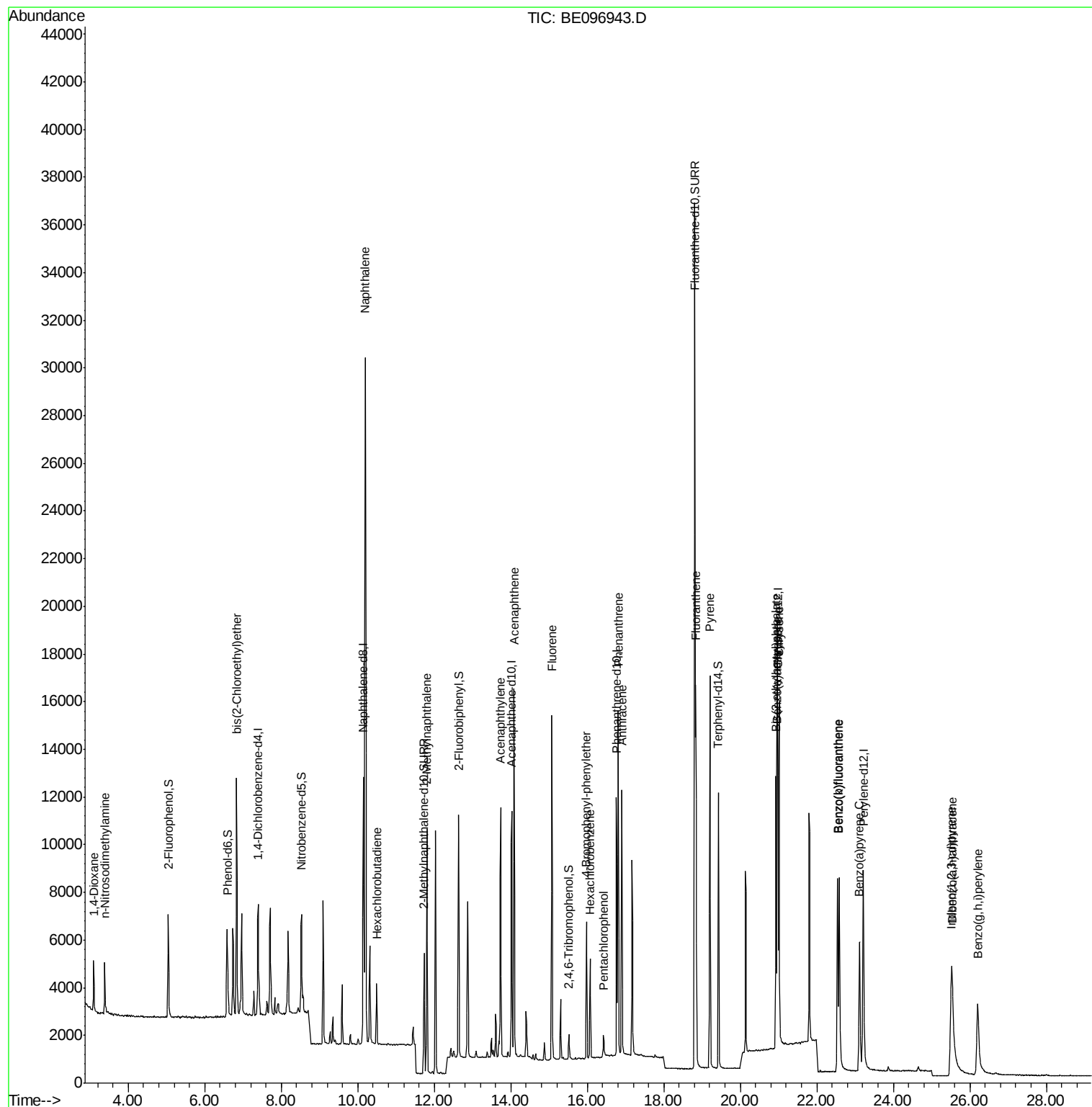
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.09  | 88   | 1209     | 0.386 | ng    | # 89   |
| 3) n-Nitrosodimethylamine      | 3.38  | 42   | 1419     | 0.403 | ng    | # 91   |
| 6) bis(2-Chloroethyl)ether     | 6.84  | 93   | 3174     | 0.405 | ng    | 94     |
| 9) Naphthalene                 | 10.20 | 128  | 42404    | 0.403 | ng    | 99     |
| 10) Hexachlorobutadiene        | 10.50 | 225  | 1726     | 0.405 | ng    | 96     |
| 12) 2-Methylnaphthalene        | 11.81 | 142  | 7153     | 0.400 | ng    | 100    |
| 16) Acenaphthylene             | 13.74 | 152  | 11663    | 0.412 | ng    | 100    |
| 17) Acenaphthene               | 14.08 | 154  | 7196     | 0.409 | ng    | 94     |
| 18) Fluorene                   | 15.08 | 166  | 8020     | 0.406 | ng    | # 80   |
| 20) 4-Bromophenyl-phenylether  | 15.97 | 248  | 2804     | 0.405 | ng    | # 68   |
| 21) Hexachlorobenzene          | 16.08 | 284  | 3131     | 0.407 | ng    | # 81   |
| 22) Pentachlorophenol          | 16.43 | 266  | 532      | 0.471 | ng    | # 76   |
| 23) Phenanthrene               | 16.81 | 178  | 14259    | 0.406 | ng    | 98     |
| 24) Anthracene                 | 16.91 | 178  | 12603    | 0.413 | ng    | 95     |
| 26) Fluoranthene               | 18.84 | 202  | 14641    | 0.395 | ng    | 98     |
| 28) Pyrene                     | 19.20 | 202  | 14738    | 0.402 | ng    | 99     |
| 30) Benzo(a)anthracene         | 20.96 | 228  | 11640    | 0.394 | ng    | 98     |
| 31) Chrysene                   | 21.02 | 228  | 13060    | 0.394 | ng    | 100    |
| 32) Bis(2-ethylhexyl)phthalate | 20.93 | 149  | 11636    | 0.394 | ng    | 100    |
| 33) Indeno(1,2,3-cd)pyrene     | 25.51 | 276  | 10221    | 0.423 | ng    | 95     |
| 35) Benzo(b)fluoranthene       | 22.54 | 252  | 10564    | 0.350 | ng    | # 89   |
| 36) Benzo(k)fluoranthene       | 22.58 | 252  | 12733    | 0.355 | ng    | 97     |
| 37) Benzo(a)pyrene             | 23.11 | 252  | 9328     | 0.373 | ng    | # 93   |
| 38) Dibenzo(a,h)anthracene     | 25.54 | 278  | 8486     | 0.405 | ng    | 98     |
| 39) Benzo(g,h,i)perylene       | 26.21 | 276  | 9094     | 0.371 | ng    | # 93   |

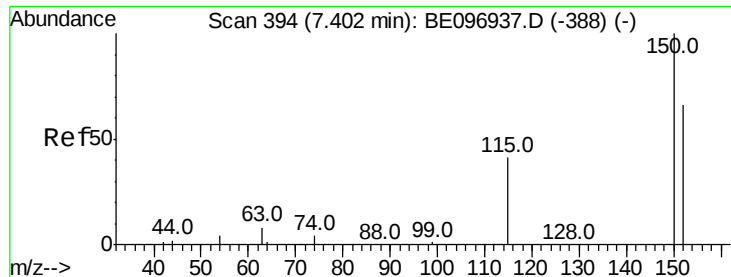
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071618\  
Data File : BE096943.D  
Acq On : 16 Jul 2018 18:09  
Operator : SJ/JU  
Sample : SSTDCCC0.4  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

Quant Time: Jul 17 15:14:38 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE071618.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jul 17 15:02:56 2018  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.40 min Scan# 394

Delta R.T. -0.00 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

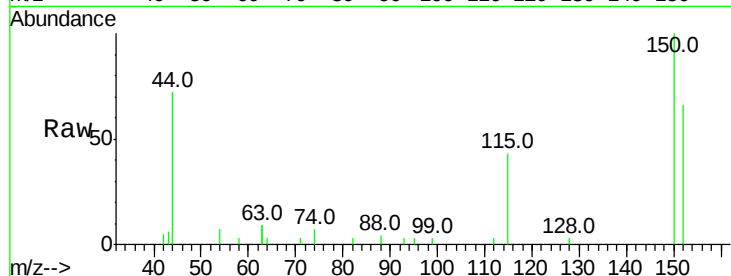
Tot Ion:152 Resp: 2187

Ion Ratio Lower Upper

152 100

150 150.6 117.2 175.8

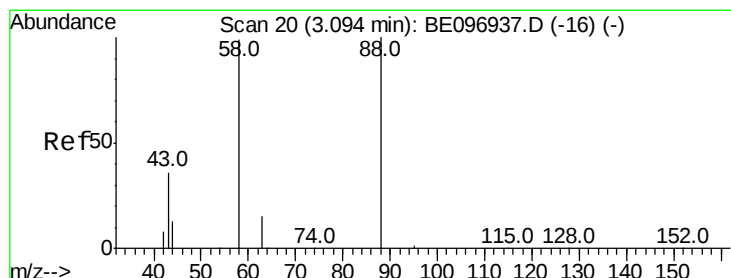
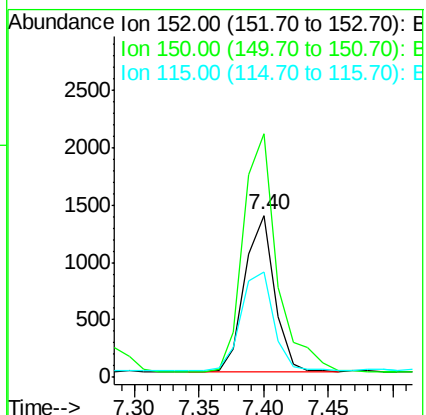
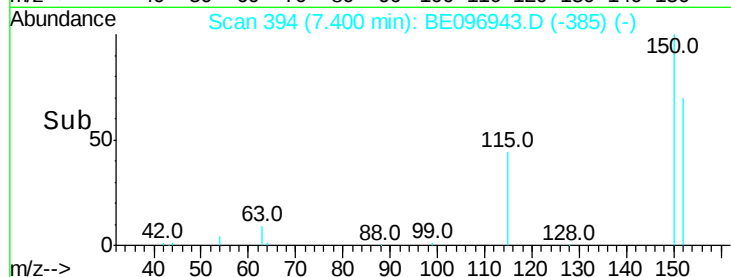
115 65.1 57.0 85.6



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: 0.386 ng

RT: 3.09 min Scan# 20

Delta R.T. -0.00 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

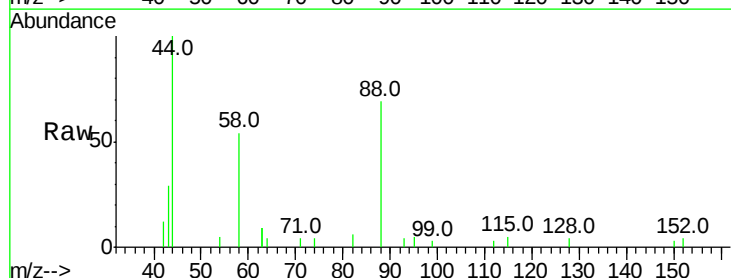
Tgt Ion: 88 Resp: 1209

Ion Ratio Lower Upper

88 100

58 81.7 63.2 94.8

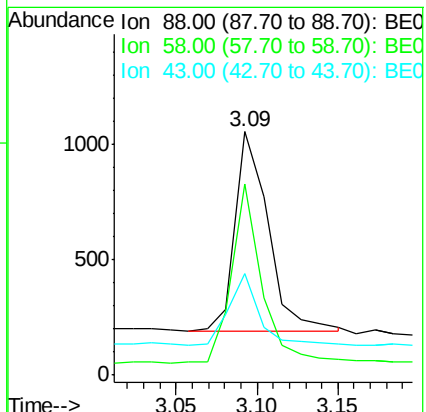
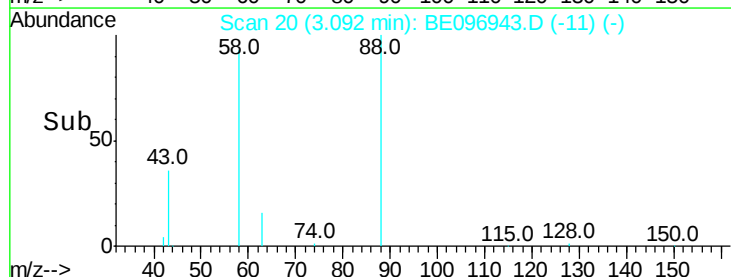
43 34.5 41.2 61.8#



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



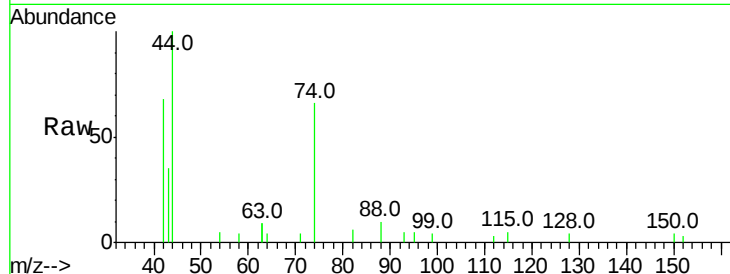


#3

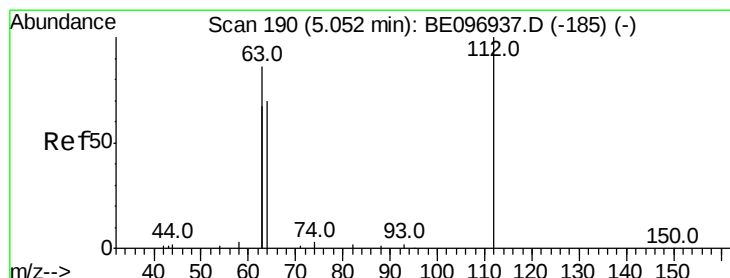
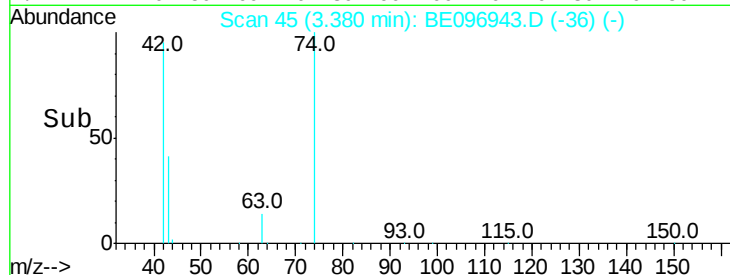
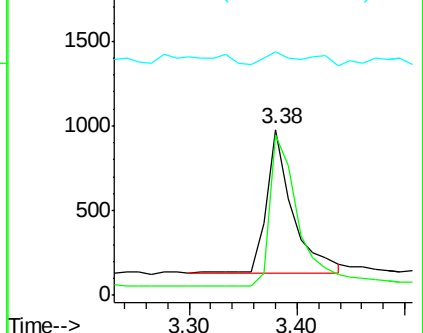
n-Nitrosodimethylamine  
 Concen: 0.403 ng  
 RT: 3.38 min Scan# 45  
 Delta R.T. -0.00 min  
 Lab File: BE096943.D  
 Acq: 16 Jul 2018 18:09

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

Tot Ion: 42 Resp: 1419  
 Ion Ratio Lower Upper  
 42 100  
 74 111.1 96.0 144.0  
 44 8.9 12.0 18.0#



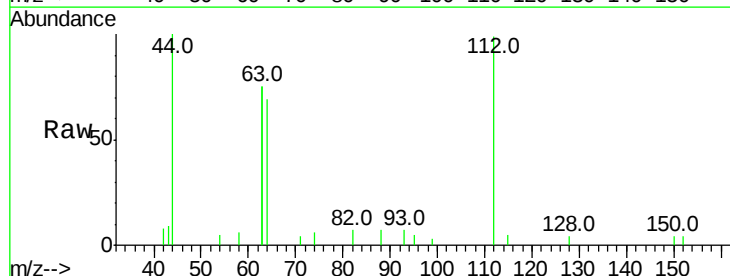
Abundance Ion 42.00 (41.70 to 42.70): BE0  
 Ion 74.00 (73.70 to 74.70): BE0  
 Ion 44.00 (43.70 to 44.70): BE0



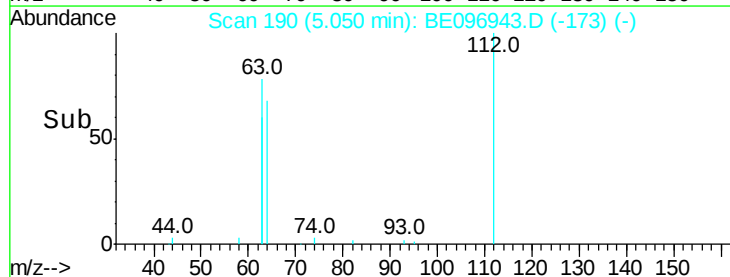
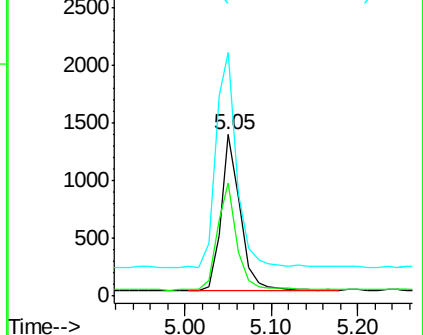
#4

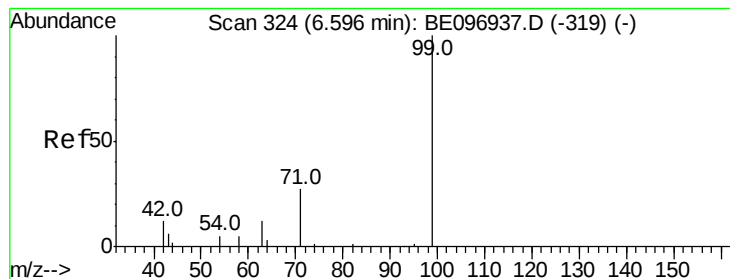
2-Fluorophenol  
 Concen: 0.401 ng  
 RT: 5.05 min Scan# 190  
 Delta R.T. -0.00 min  
 Lab File: BE096943.D  
 Acq: 16 Jul 2018 18:09

Tgt Ion: 112 Resp: 2099  
 Ion Ratio Lower Upper  
 112 100  
 64 71.4 60.1 90.1  
 63 152.4 116.8 175.2



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: 0.418 ng

RT: 6.59 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

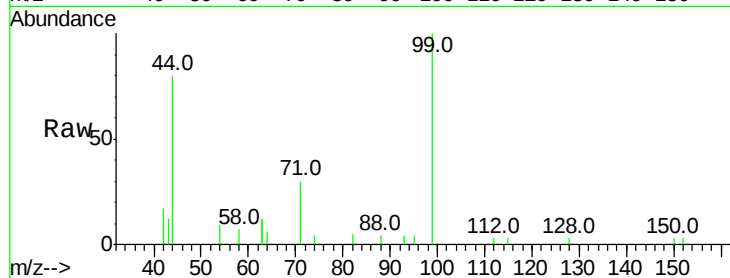
Tot Ion: 99 Resp: 3336

Ion Ratio Lower Upper

99 100

42 25.1 20.2 30.2

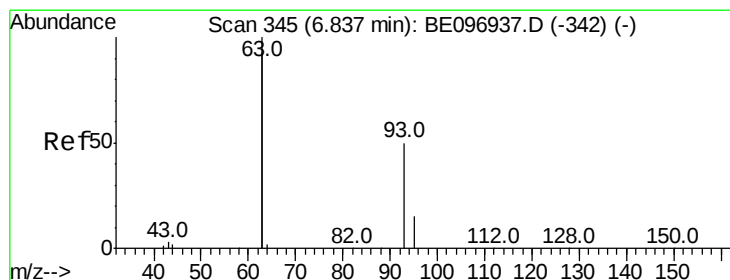
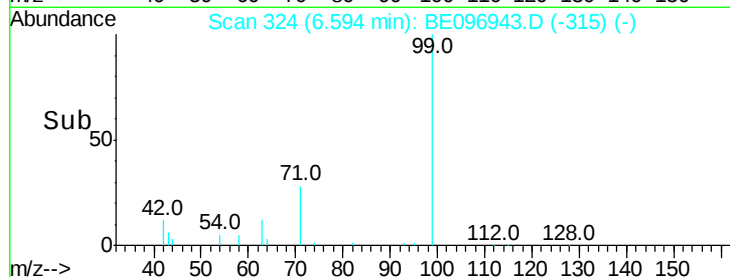
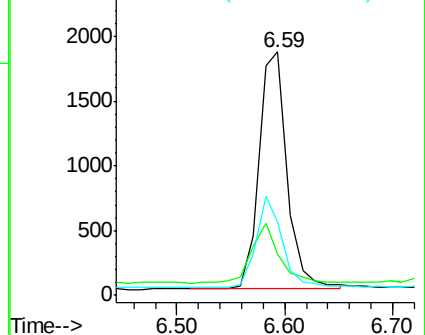
71 35.4 28.4 42.6



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: 0.405 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

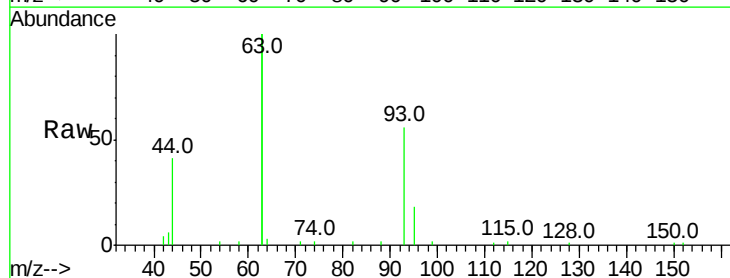
Tgt Ion: 93 Resp: 3174

Ion Ratio Lower Upper

93 100

63 331.1 275.3 412.9

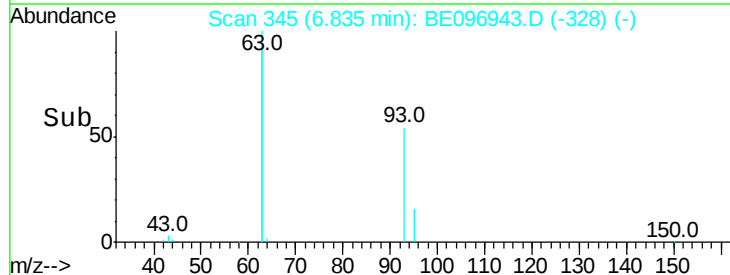
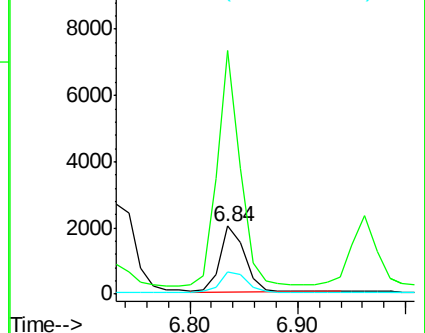
95 32.2 25.2 37.8

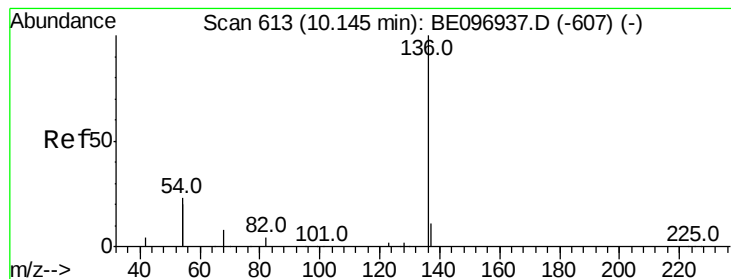


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.15 min Scan# 614

Delta R.T. 0.00 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

Tot Ion:136 Resp: 11768

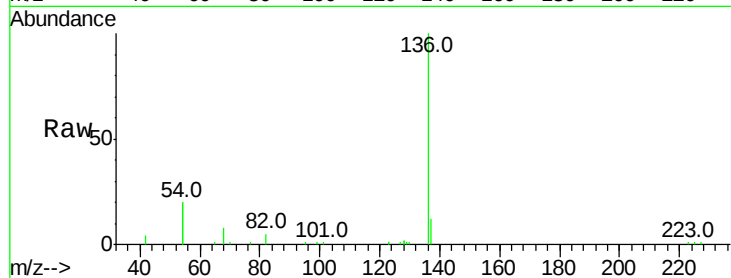
Ion Ratio Lower Upper

136 100

137 11.5 9.5 14.3

54 39.6 29.1 43.7

68 7.6 6.2 9.2

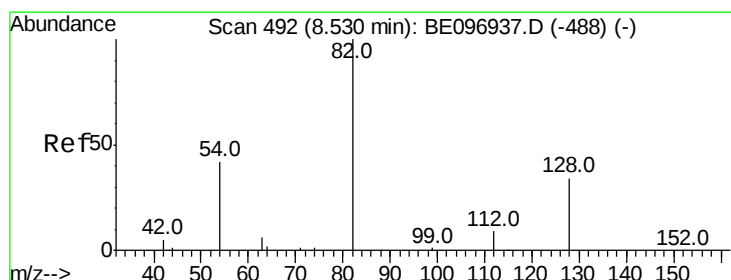
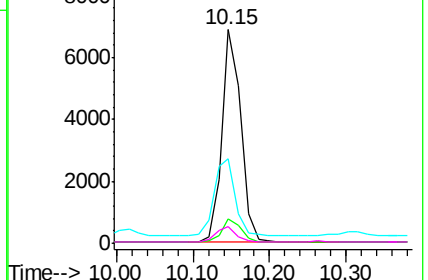
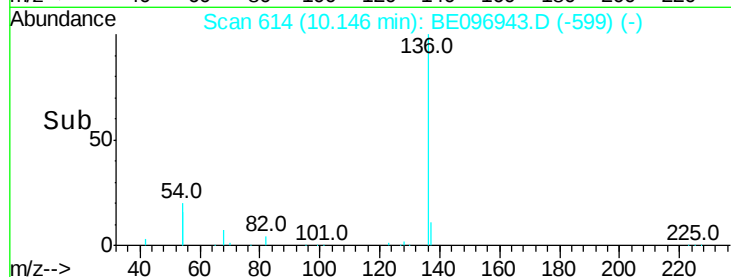


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.421 ng

RT: 8.53 min Scan# 492

Delta R.T. -0.00 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

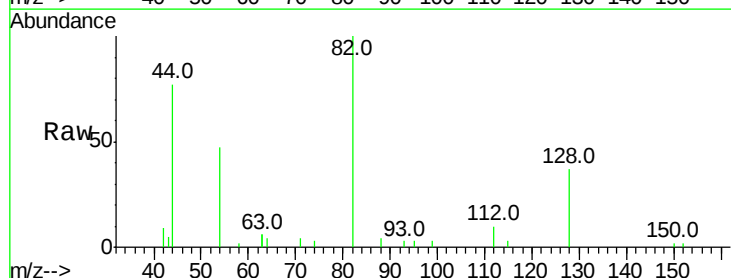
Tgt Ion: 82 Resp: 3613

Ion Ratio Lower Upper

82 100

128 36.6 24.0 36.0#

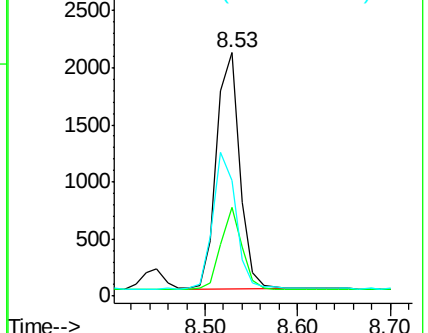
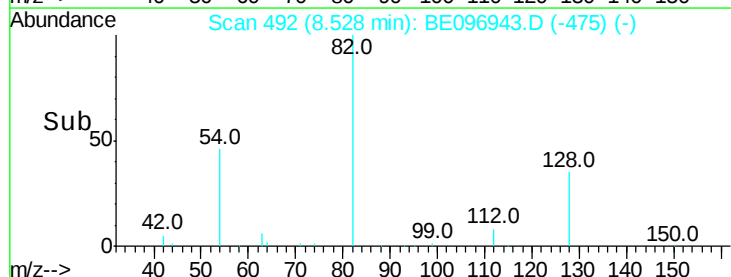
54 47.4 40.0 60.0



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: 0.403 ng

RT: 10.20 min Scan# 618

Delta R.T. 0.00 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

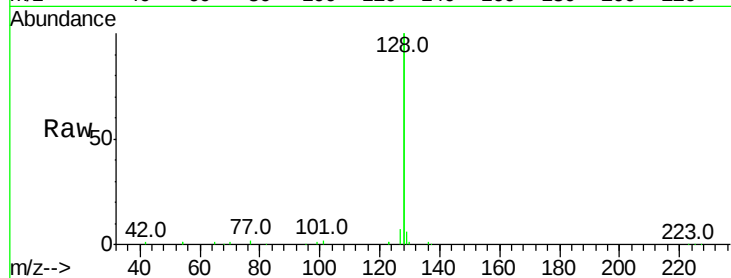
Tot Ion:128 Resp: 42404

Ion Ratio Lower Upper

128 100

129 3.0 2.6 3.8

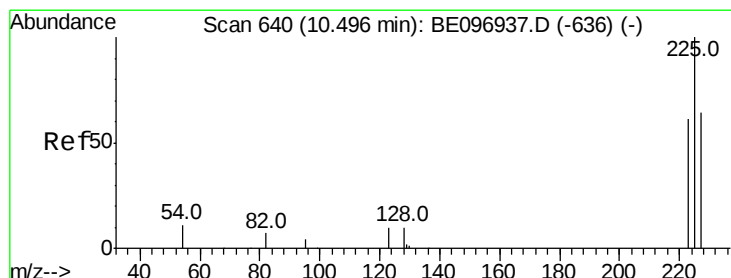
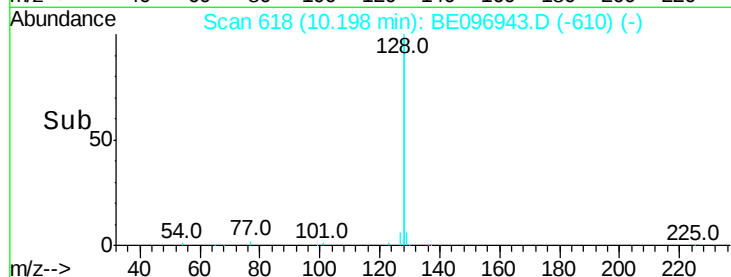
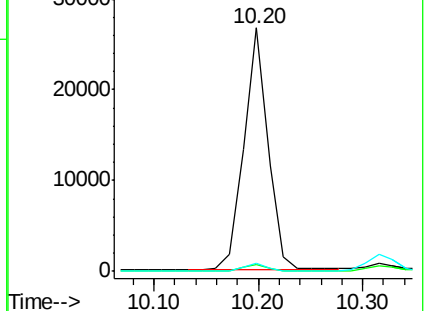
127 3.4 2.8 4.2



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: 0.405 ng

RT: 10.50 min Scan# 641

Delta R.T. 0.00 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

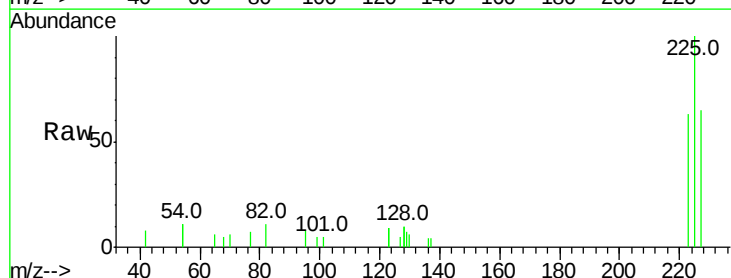
Tgt Ion:225 Resp: 1726

Ion Ratio Lower Upper

225 100

223 62.6 53.0 79.6

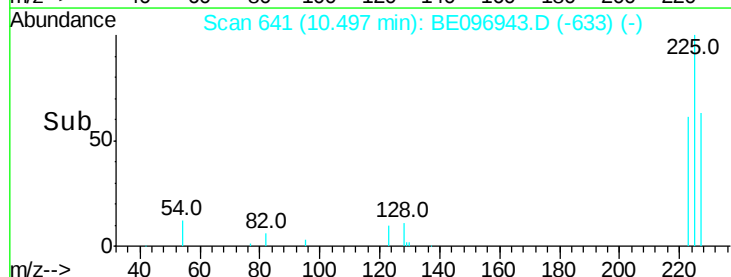
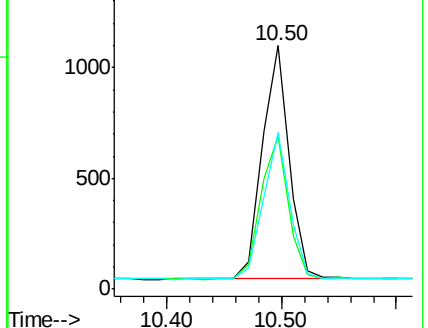
227 61.2 51.4 77.2

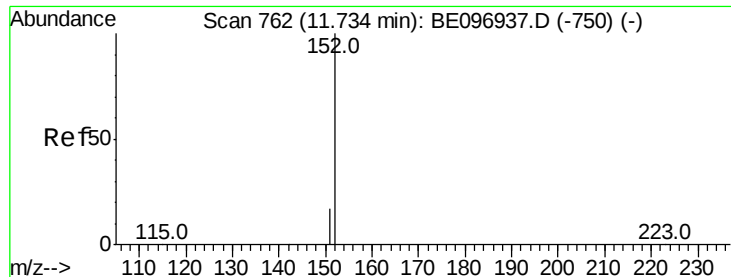


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.392 ng

RT: 11.73 min Scan# 763

Delta R.T. 0.00 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

Instrument :

BNA\_E

ClientSampleId :

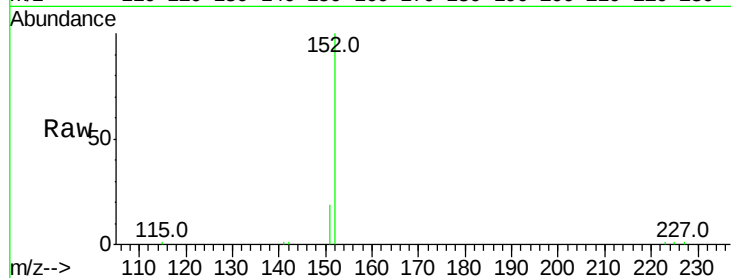
SSTDCCC0.4

Tot Ion:152 Resp: 6730

Ion Ratio Lower Upper

152 100

151 19.4 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.73

4000

3000

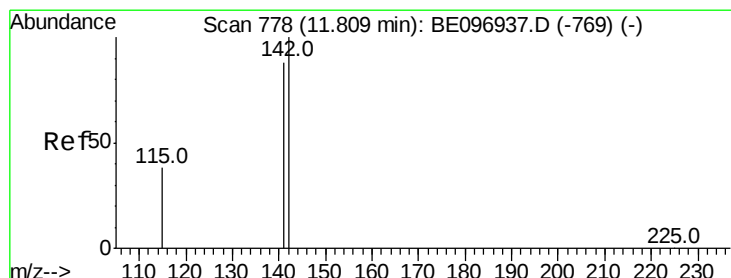
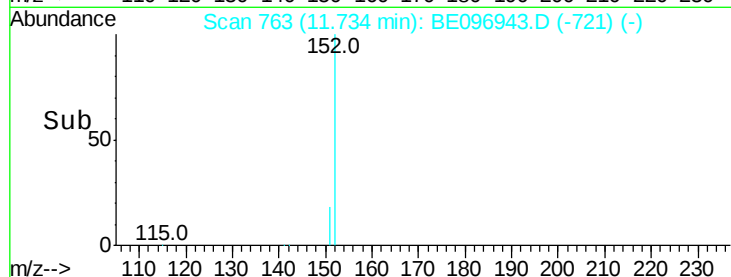
2000

1000

0

Time-->

11.70 11.80



#12

2-Methylnaphthalene

Concen: 0.400 ng

RT: 11.81 min Scan# 779

Delta R.T. 0.00 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

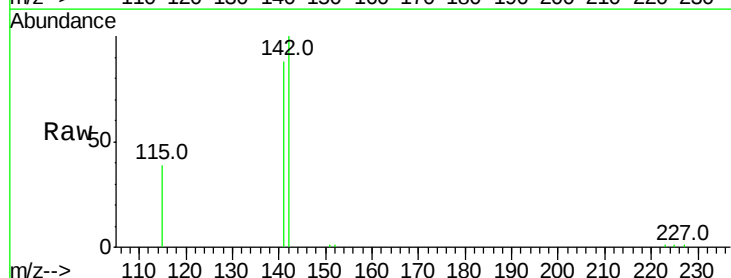
Tgt Ion:142 Resp: 7153

Ion Ratio Lower Upper

142 100

141 88.0 70.4 105.6

115 39.0 31.7 47.5



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

6000

5000

4000

3000

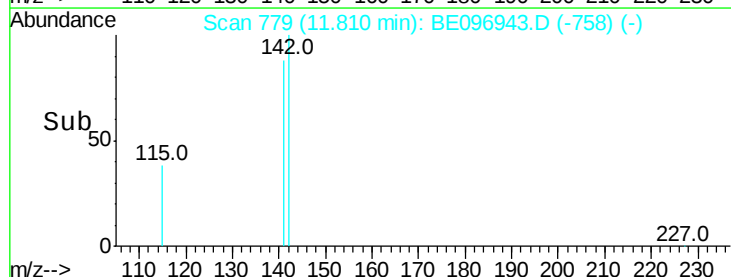
2000

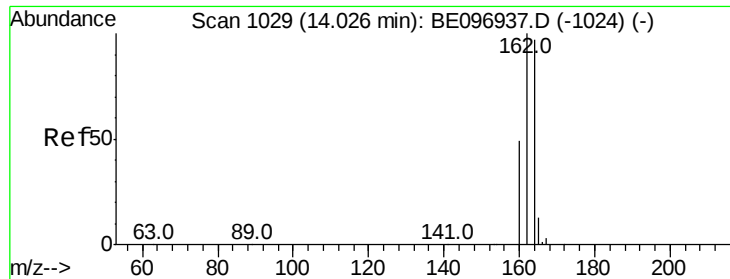
1000

0

Time-->

11.70 11.80 11.90





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.03 min Scan# 1029

Delta R.T. -0.00 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

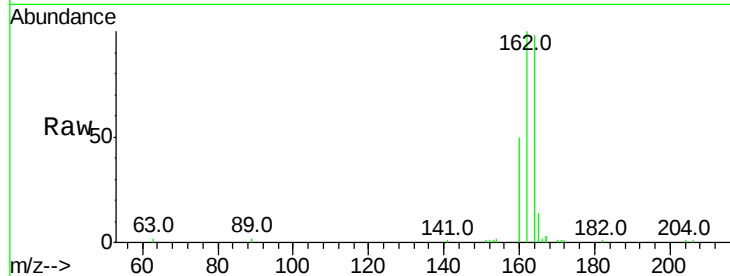
Tot Ion:164 Resp: 6198

Ion Ratio Lower Upper

164 100

162 102.2 83.1 124.7

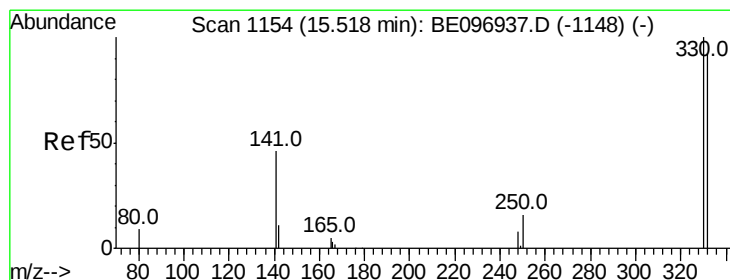
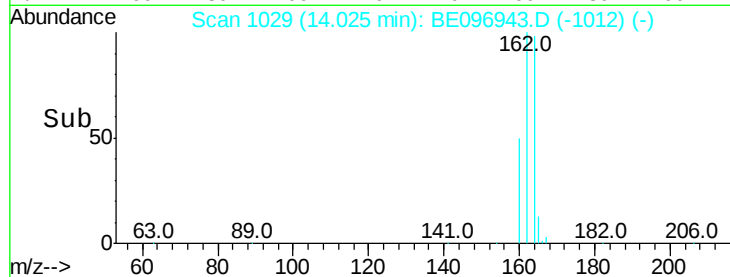
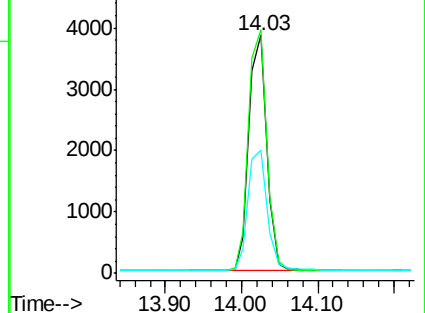
160 51.6 37.1 55.7



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: 0.448 ng

RT: 15.52 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

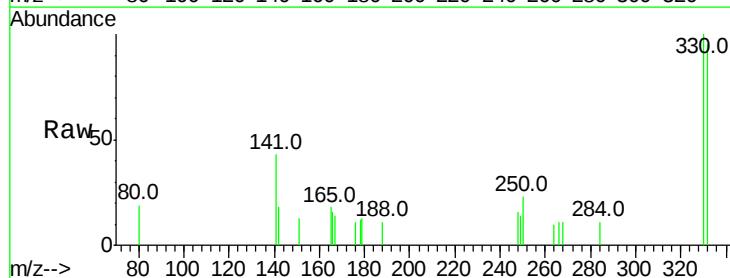
Tgt Ion:330 Resp: 617

Ion Ratio Lower Upper

330 100

332 96.6 152.7 229.1#

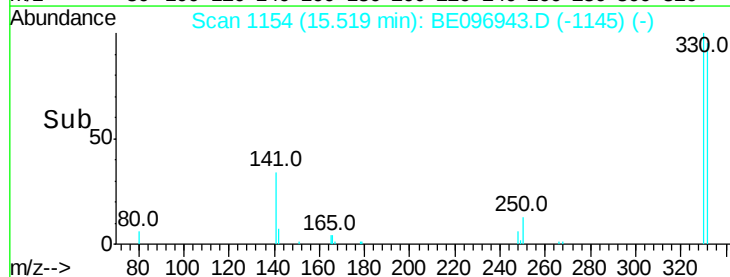
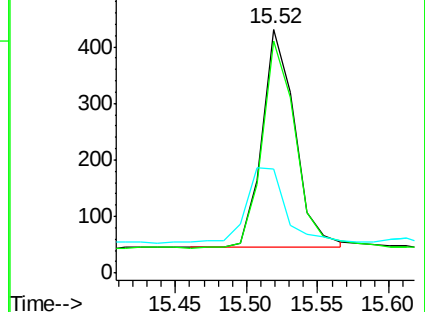
141 42.3 33.7 50.5

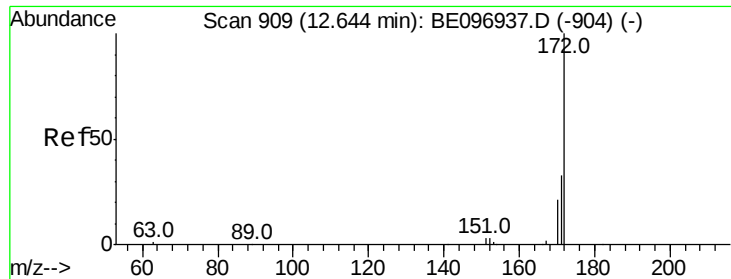


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

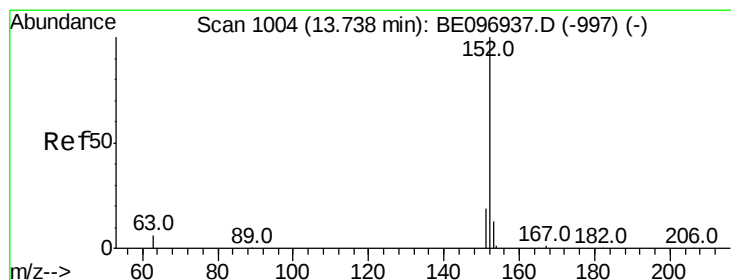
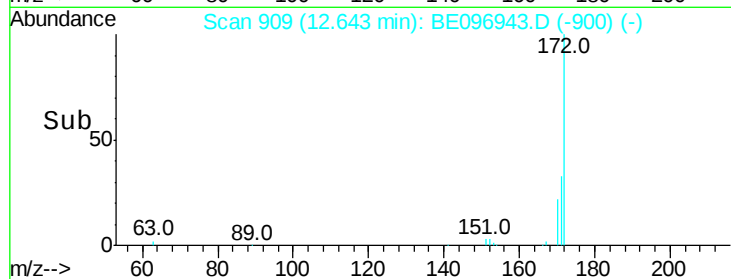
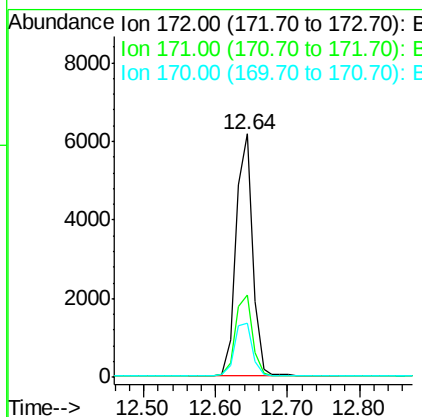
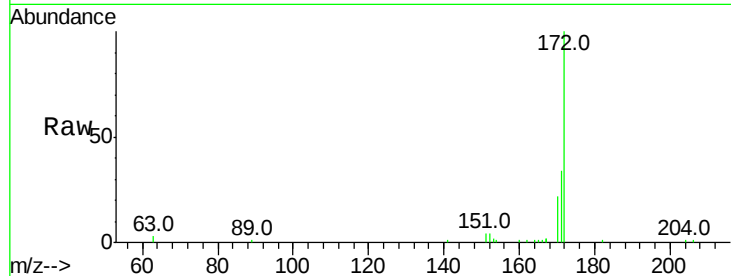




#15  
 2-Fluorobiphenyl  
 Concen: 0.424 ng  
 RT: 12.64 min Scan# 909  
 Delta R.T. -0.00 min  
 Lab File: BE096943.D  
 Acq: 16 Jul 2018 18:09

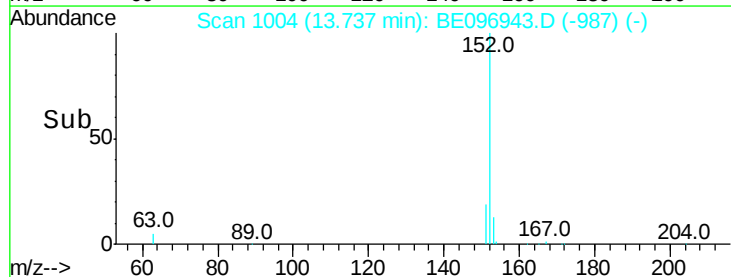
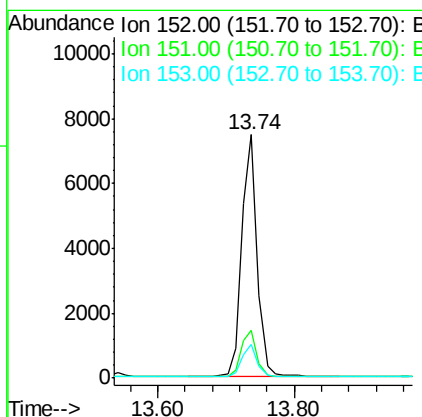
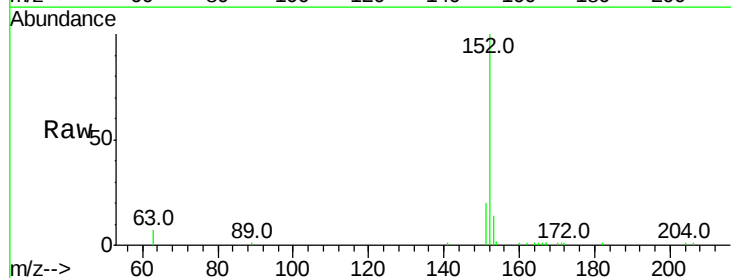
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

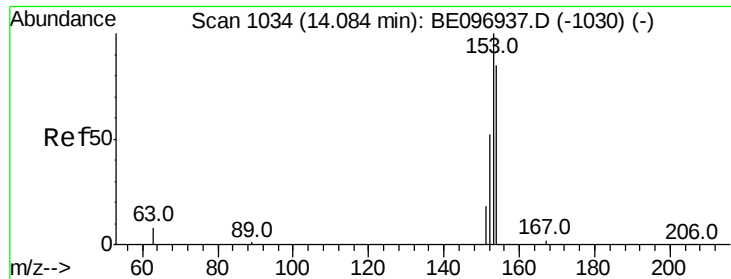
Tot Ion:172 Resp: 9771  
 Ion Ratio Lower Upper  
 172 100  
 171 33.6 29.9 44.9  
 170 22.4 21.8 32.8



#16  
 Acenaphthylene  
 Concen: 0.412 ng  
 RT: 13.74 min Scan# 1004  
 Delta R.T. -0.00 min  
 Lab File: BE096943.D  
 Acq: 16 Jul 2018 18:09

Tgt Ion:152 Resp: 11663  
 Ion Ratio Lower Upper  
 152 100  
 151 19.4 15.7 23.5  
 153 13.3 10.5 15.7





#17

Acenaphthene

Concen: 0.409 ng

RT: 14.08 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

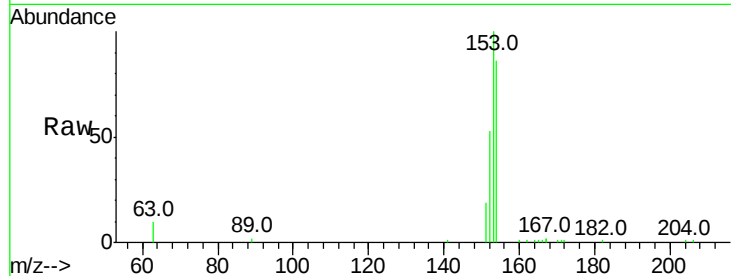
Tot Ion:154 Resp: 7196

Ion Ratio Lower Upper

154 100

153 114.8 89.2 133.8

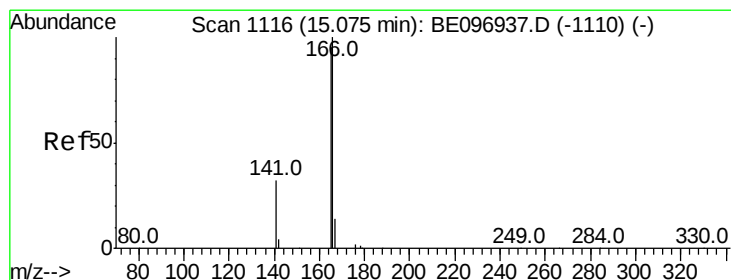
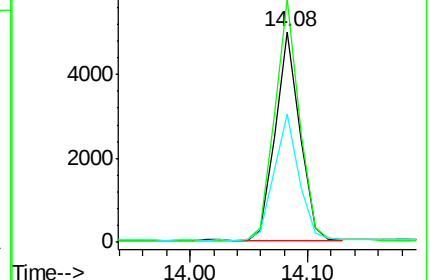
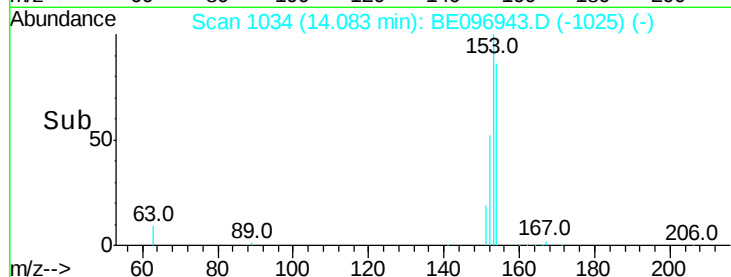
152 61.5 42.0 63.0



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: 0.406 ng

RT: 15.08 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

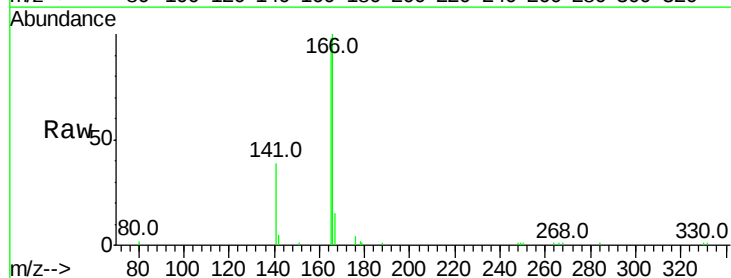
Tgt Ion:166 Resp: 8020

Ion Ratio Lower Upper

166 100

165 99.2 77.8 116.6

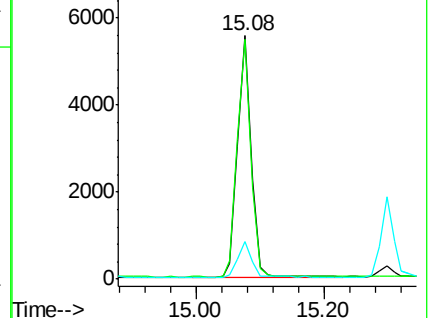
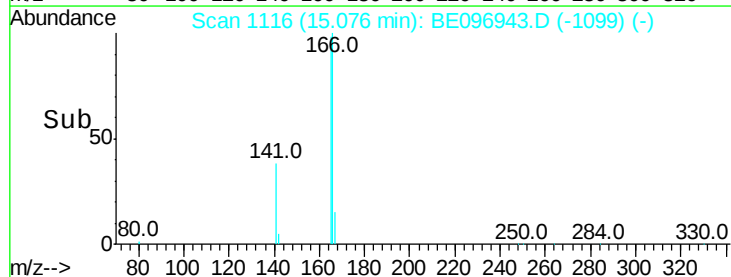
167 14.7 42.4 63.6#

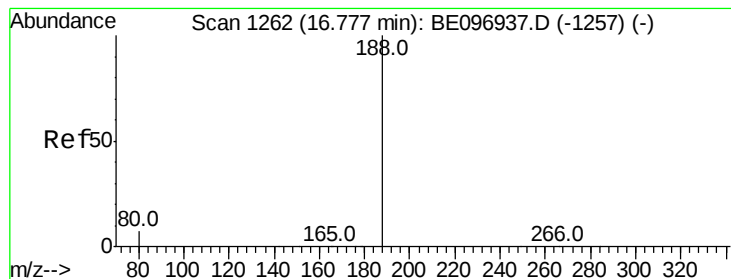


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.77 min Scan# 1261

Delta R.T. -0.01 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

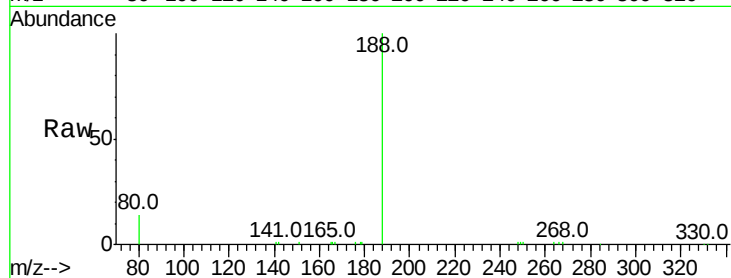
Tot Ion:188 Resp: 14658

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

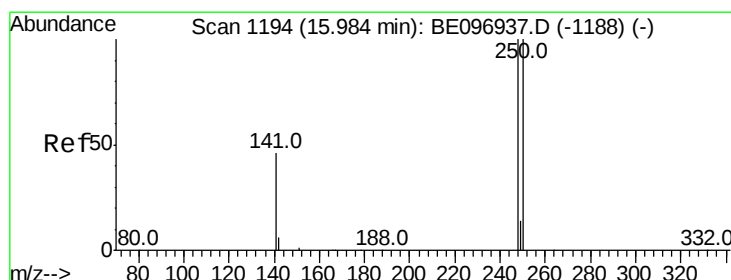
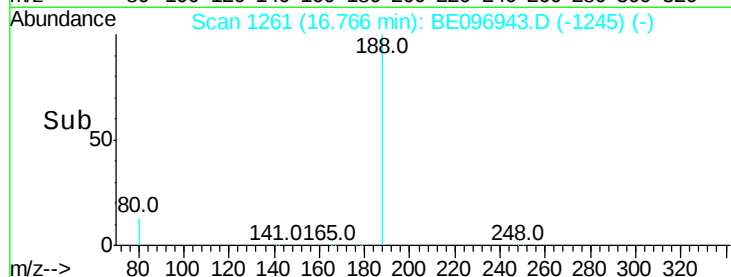
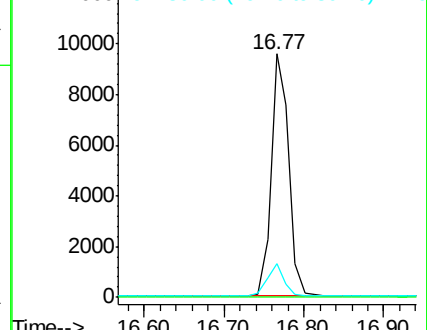
80 13.6 3.6 5.4#



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: 0.405 ng

RT: 15.97 min Scan# 1193

Delta R.T. -0.01 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

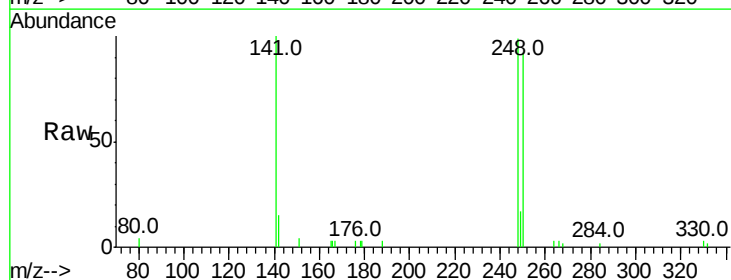
Tgt Ion:248 Resp: 2804

Ion Ratio Lower Upper

248 100

250 92.5 62.7 94.1

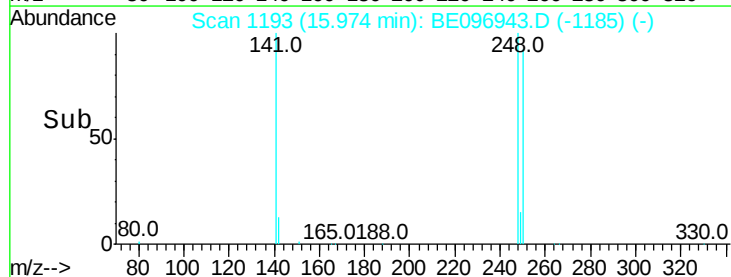
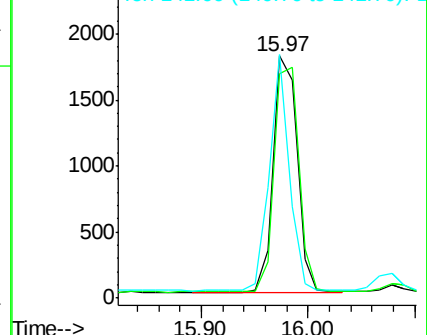
141 100.6 48.2 72.2#



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: 0.407 ng

RT: 16.08 min Scan# 1202

Delta R.T. -0.01 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

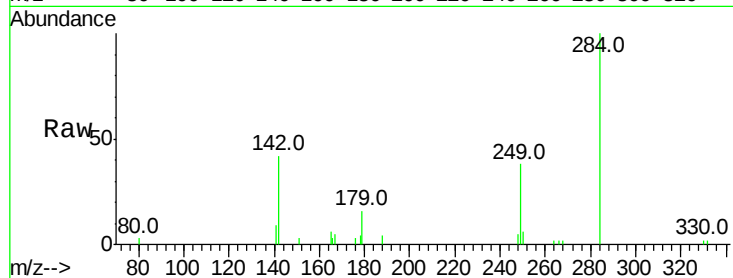
Tot Ion:284 Resp: 3131

Ion Ratio Lower Upper

284 100

142 38.5 22.1 33.1#

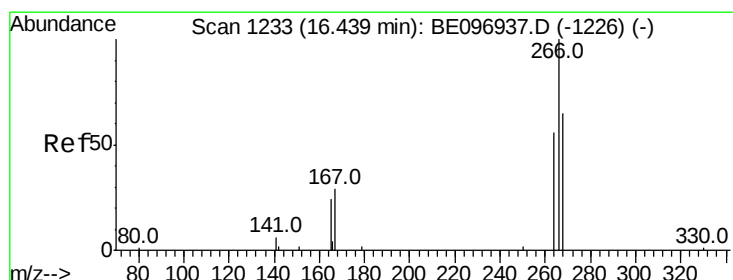
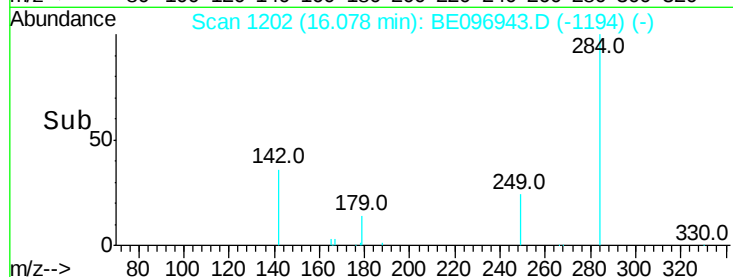
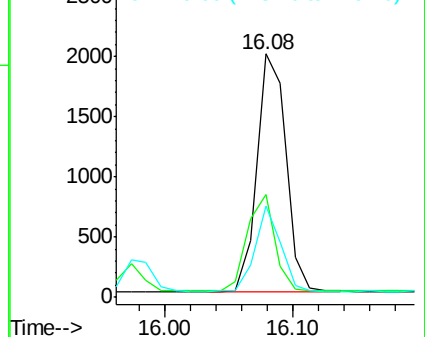
249 31.8 34.8 52.2#



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: 0.471 ng

RT: 16.43 min Scan# 1232

Delta R.T. -0.01 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

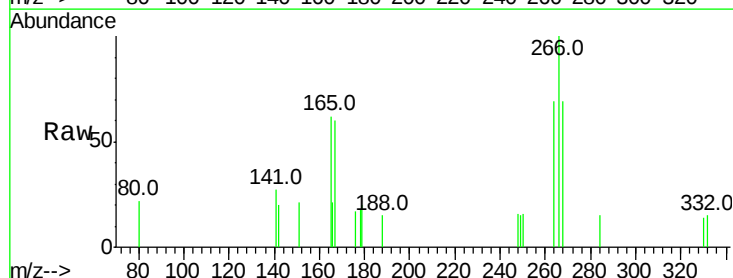
Tgt Ion:266 Resp: 532

Ion Ratio Lower Upper

266 100

264 68.8 72.5 108.7#

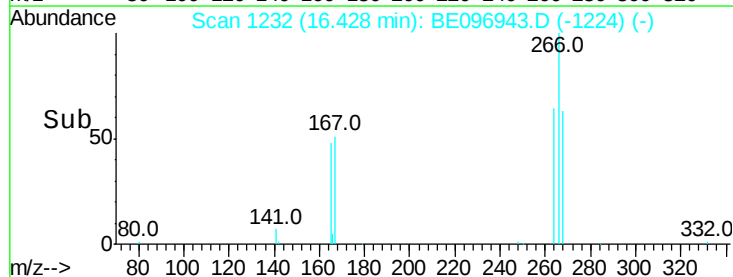
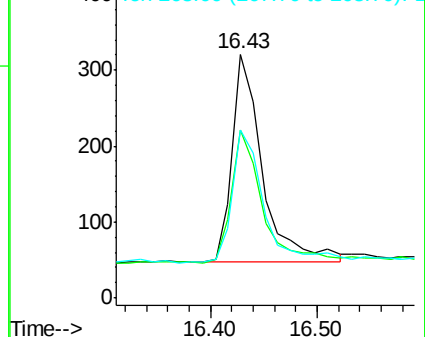
268 69.2 73.8 110.6#



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: 0.406 ng

RT: 16.81 min Scan# 1265

Delta R.T. 0.00 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

Instrument :

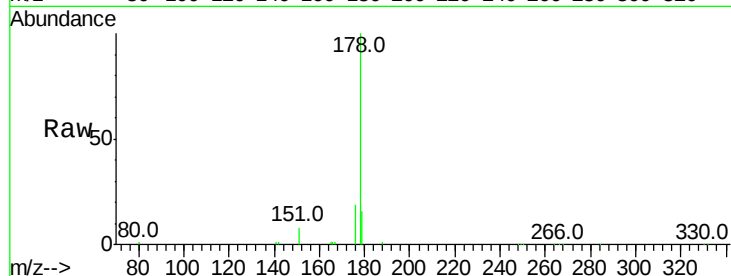
BNA\_E

ClientSampleId :

SSTDCCC0.4

Tot Ion:178 Resp: 14259

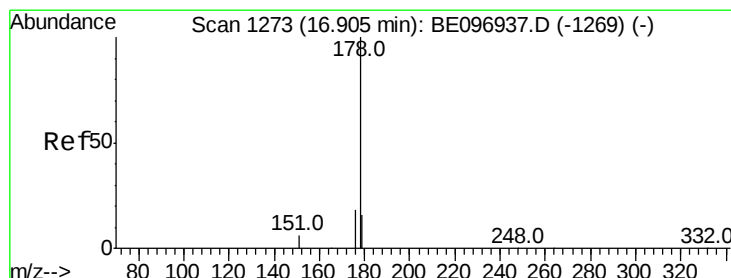
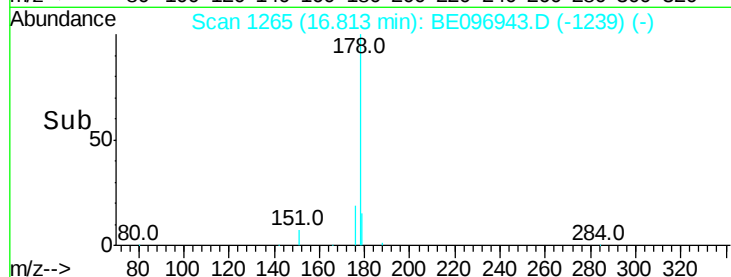
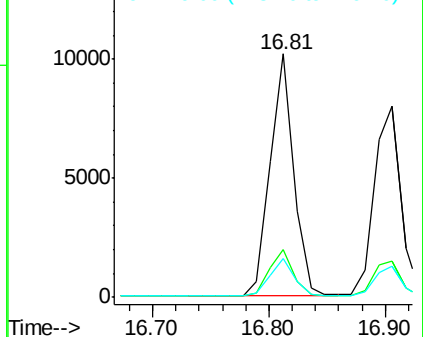
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 19.5  | 15.1  | 22.7  |
| 179 | 15.5  | 11.8  | 17.6  |



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.413 ng

RT: 16.91 min Scan# 1273

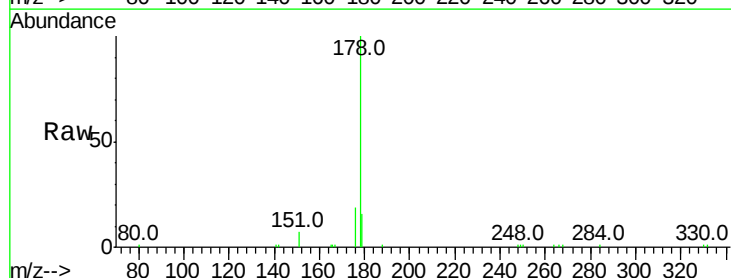
Delta R.T. 0.00 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

Tgt Ion:178 Resp: 12603

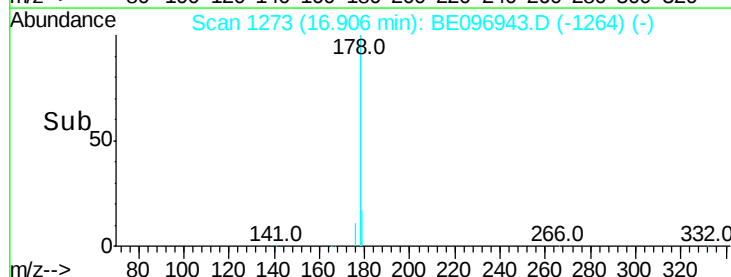
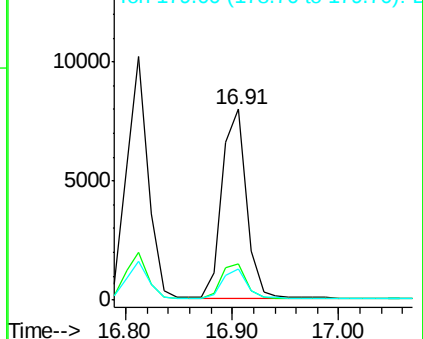
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 18.6  | 12.8  | 19.2  |
| 179 | 15.1  | 13.0  | 19.6  |

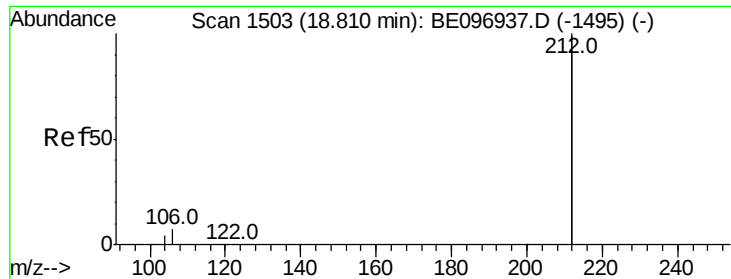


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.381 ng

RT: 18.81 min Scan# 1503

Delta R.T. 0.00 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

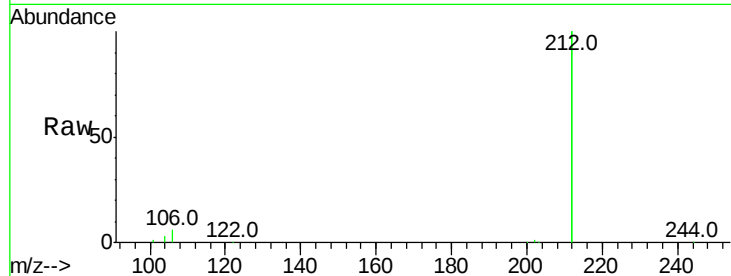
Tot Ion:212 Resp: 48583

Ion Ratio Lower Upper

212 100

106 3.4 2.8 4.2

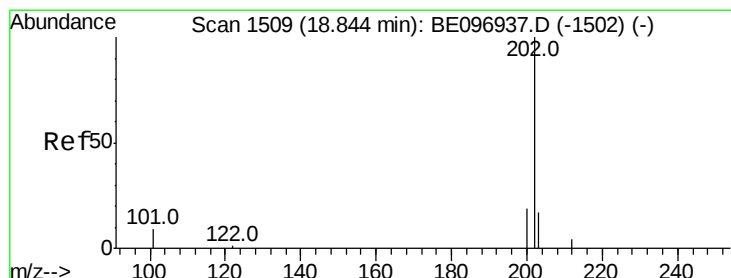
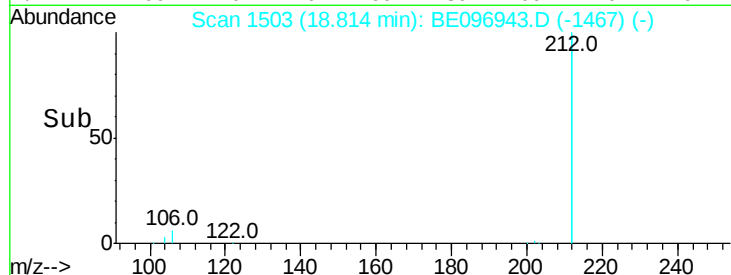
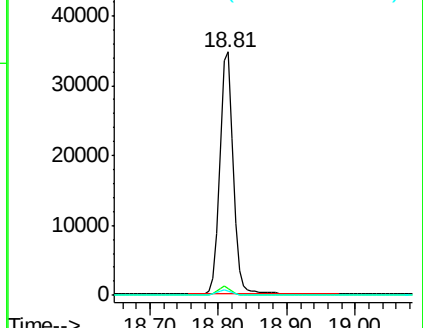
104 1.9 1.6 2.4



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: 0.395 ng

RT: 18.84 min Scan# 1508

Delta R.T. -0.00 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

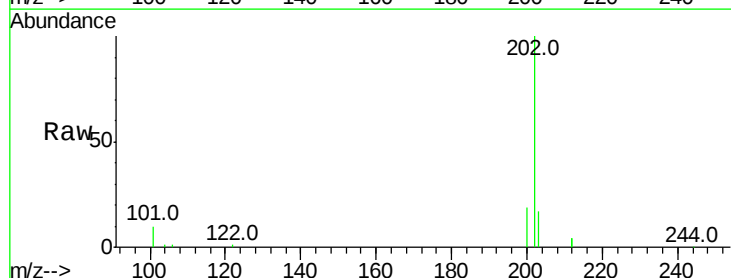
Tgt Ion:202 Resp: 14641

Ion Ratio Lower Upper

202 100

101 11.1 9.8 14.8

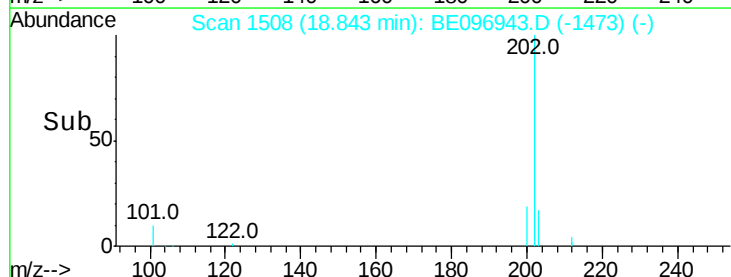
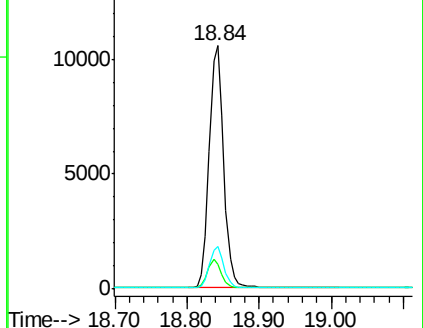
203 16.7 13.7 20.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.98 min Scan# 1787

Delta R.T. 0.00 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

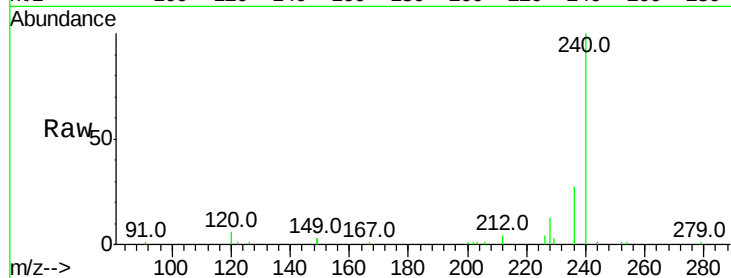
Tot Ion:240 Resp: 12422

Ion Ratio Lower Upper

240 100

120 5.6 5.5 8.3

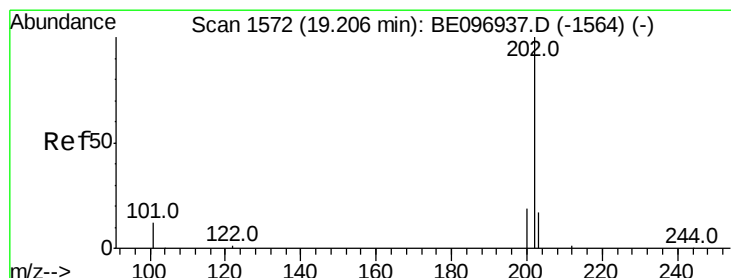
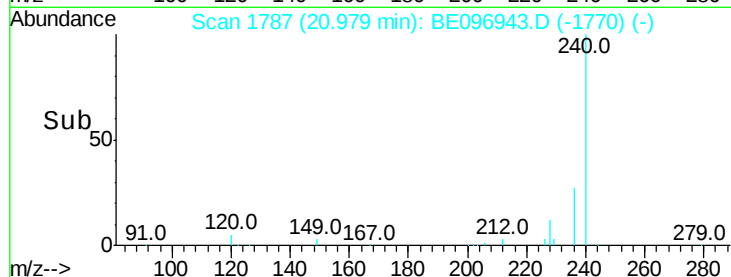
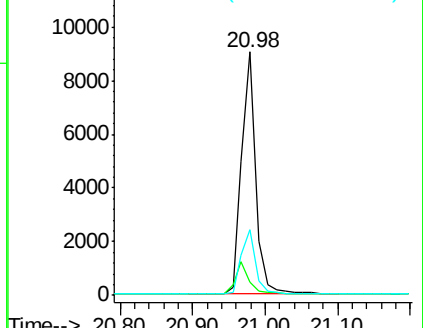
236 27.2 20.7 31.1



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: 0.402 ng

RT: 19.20 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

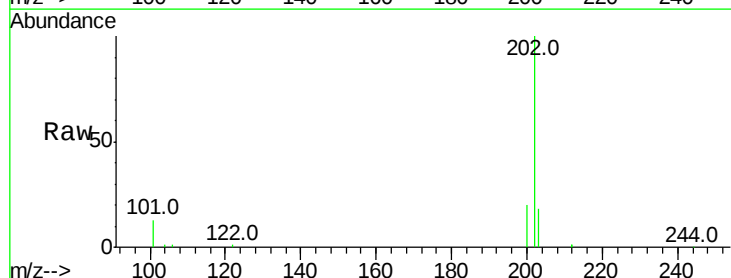
Tgt Ion:202 Resp: 14738

Ion Ratio Lower Upper

202 100

200 19.9 16.6 25.0

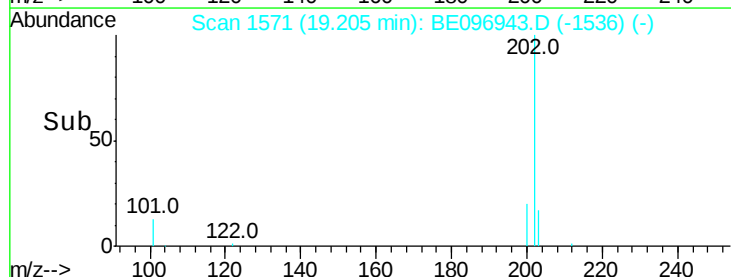
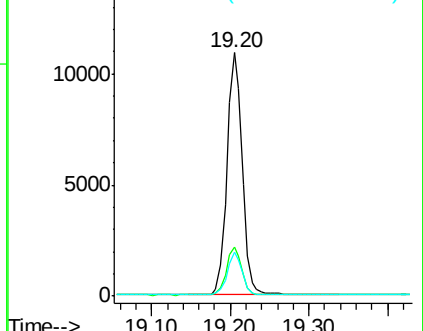
203 17.3 13.8 20.8

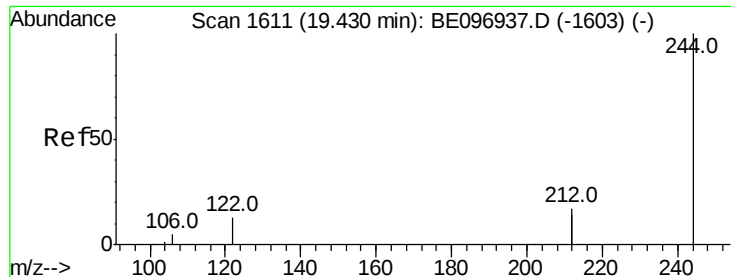


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.413 ng

RT: 19.43 min Scan# 1610

Delta R.T. -0.00 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

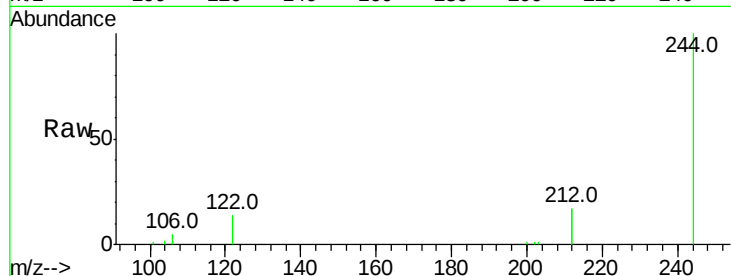
Tot Ion:244 Resp: 9903

Ion Ratio Lower Upper

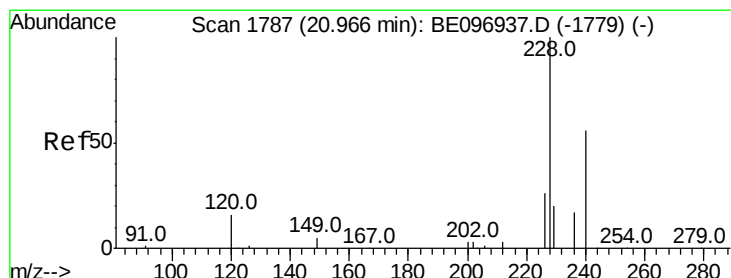
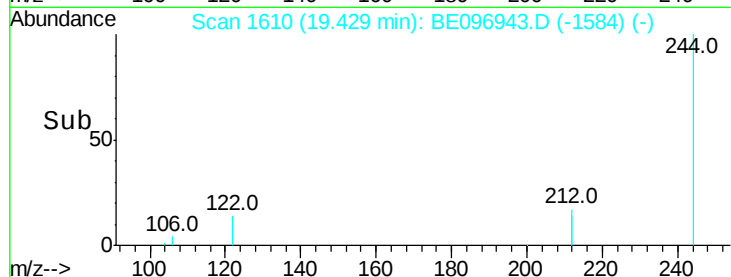
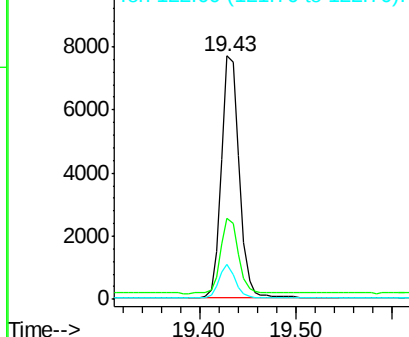
244 100

212 33.4 25.4 38.0

122 14.2 8.1 12.1#



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: 0.394 ng

RT: 20.96 min Scan# 1785

Delta R.T. -0.01 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

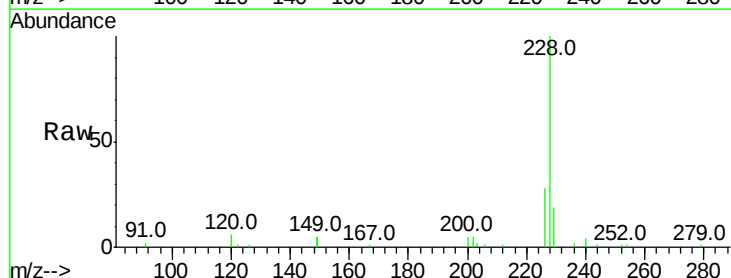
Tgt Ion:228 Resp: 11640

Ion Ratio Lower Upper

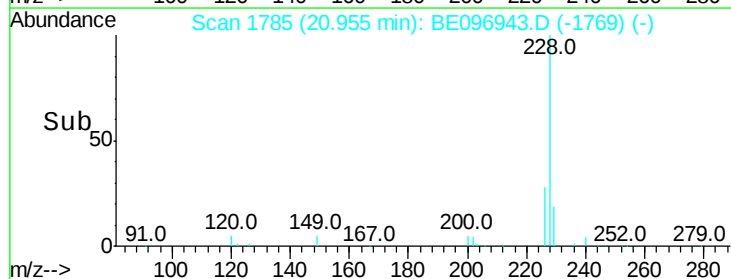
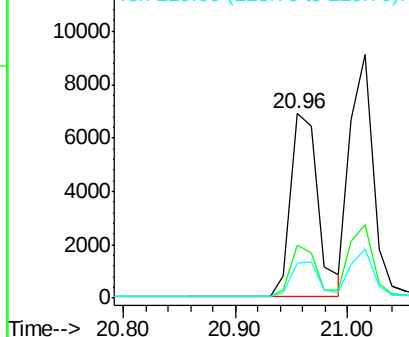
228 100

226 28.4 24.0 36.0

229 19.3 16.0 24.0



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: 0.394 ng

RT: 21.02 min Scan# 1790

Delta R.T. 0.00 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

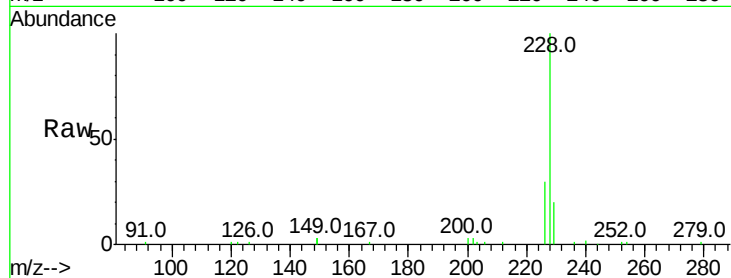
Tot Ion:228 Resp: 13060

Ion Ratio Lower Upper

228 100

226 30.0 24.0 36.0

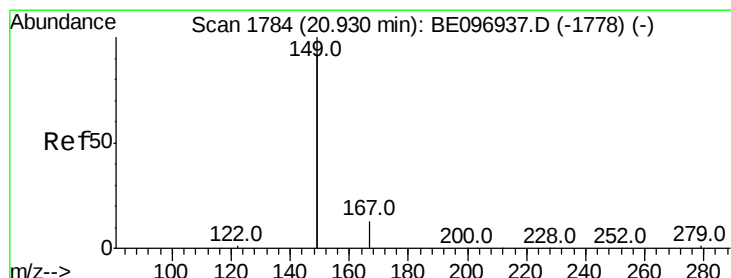
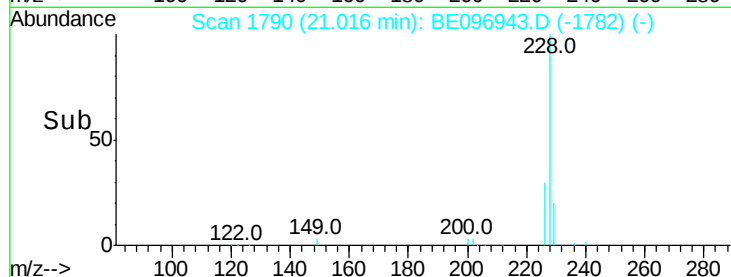
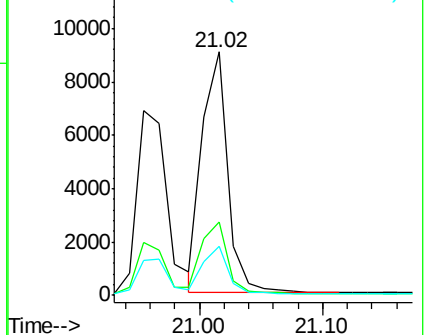
229 20.0 16.0 24.0



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.394 ng

RT: 20.93 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

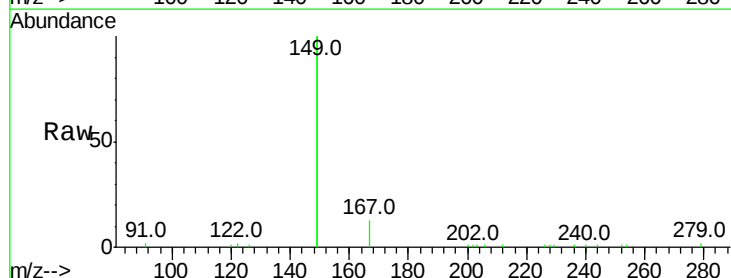
Tgt Ion:149 Resp: 11636

Ion Ratio Lower Upper

149 100

167 6.6 5.4 8.0

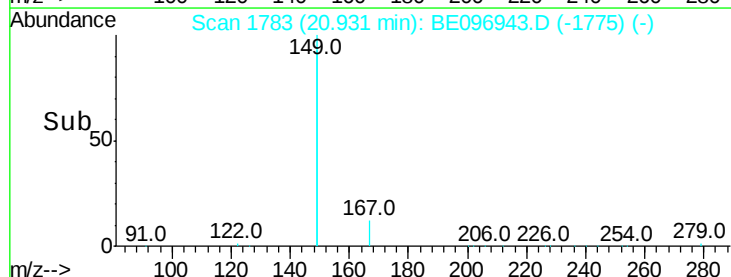
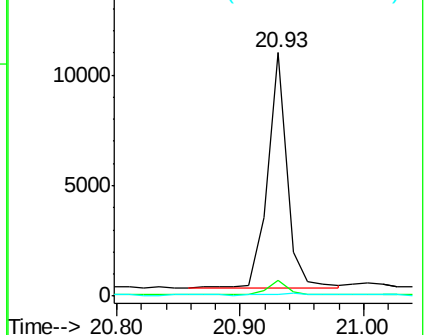
279 0.9 0.7 1.1

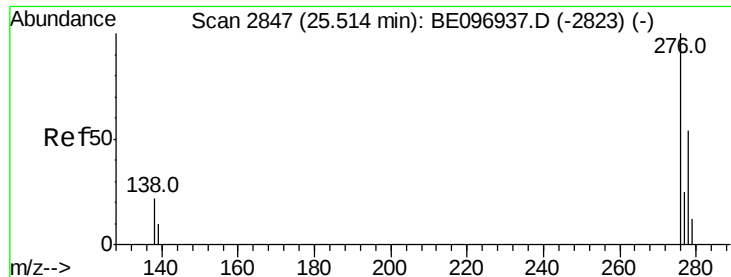


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.423 ng

RT: 25.51 min Scan# 2844

Delta R.T. -0.01 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

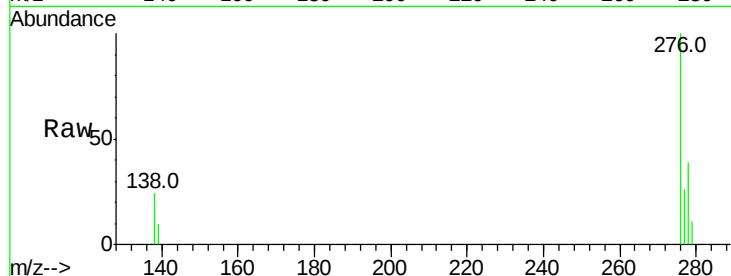
Tot Ion:276 Resp: 10221

Ion Ratio Lower Upper

276 100

138 23.5 22.5 33.7

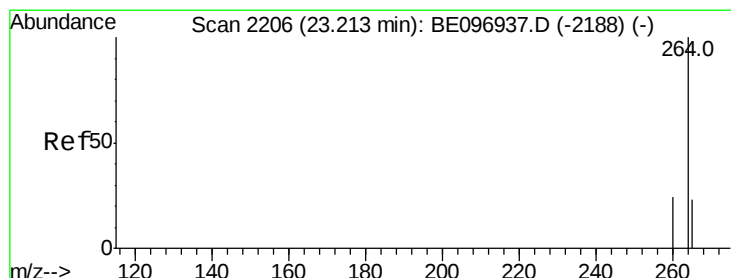
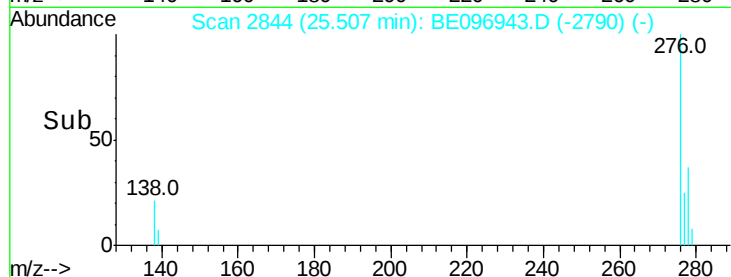
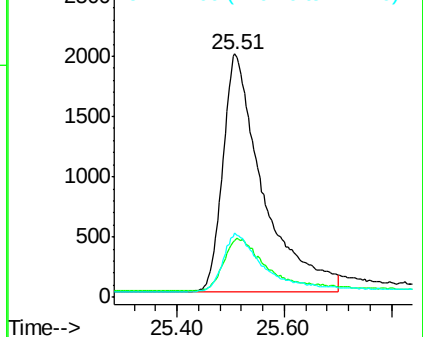
277 24.4 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.21 min Scan# 2205

Delta R.T. 0.00 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

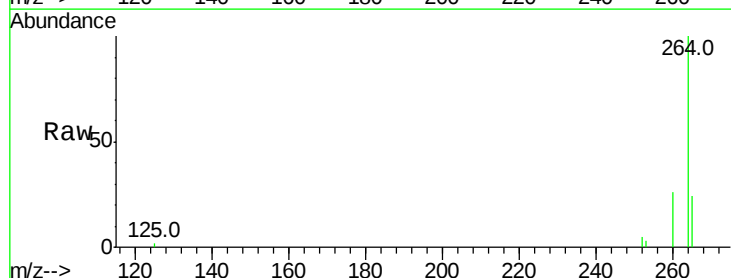
Tgt Ion:264 Resp: 11823

Ion Ratio Lower Upper

264 100

260 25.7 20.5 30.7

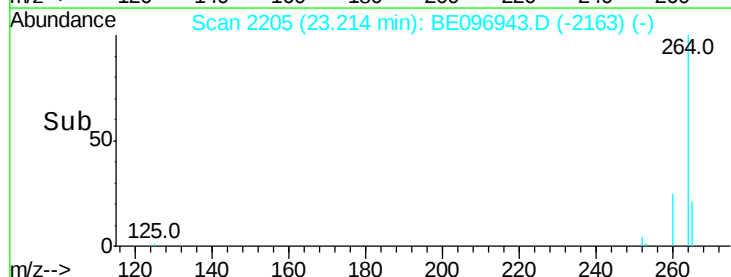
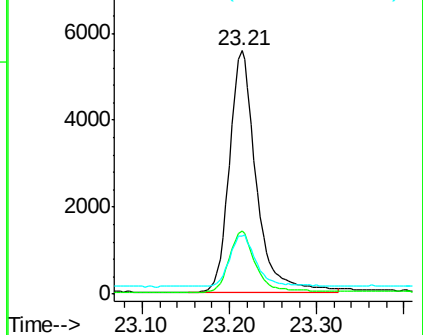
265 24.1 22.8 34.2

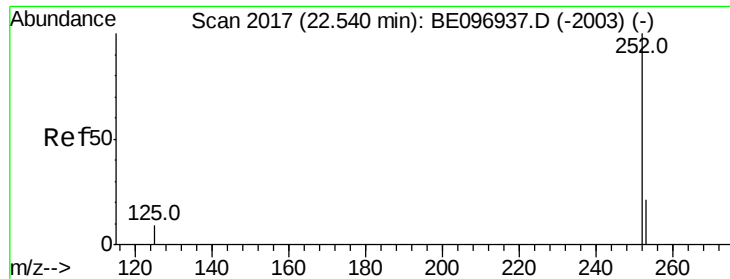


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

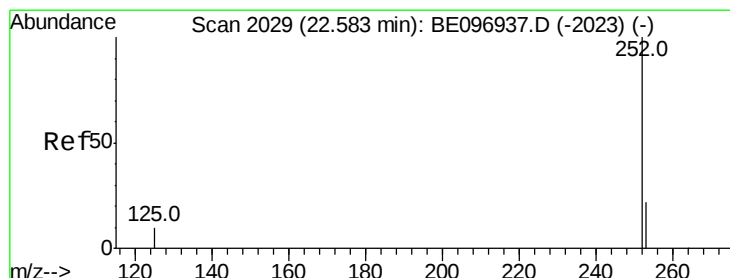
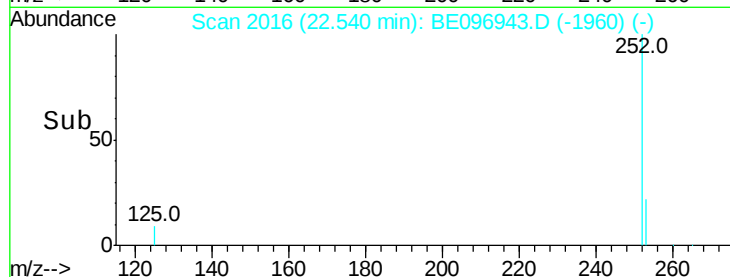
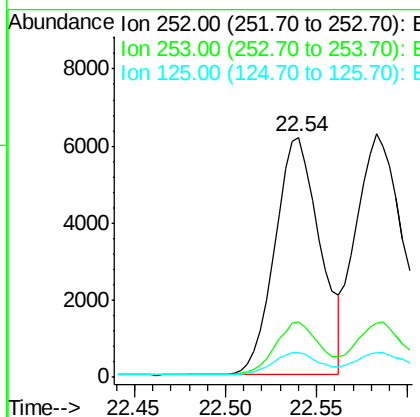
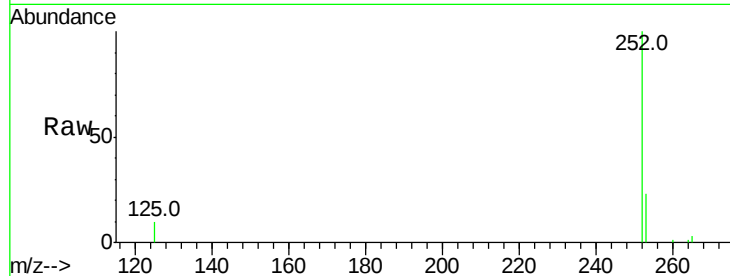




#35  
Benzo(b)fluoranthene  
Concen: 0.350 ng  
RT: 22.54 min Scan# 2016  
Delta R.T. 0.00 min  
Lab File: BE096943.D  
Acq: 16 Jul 2018 18:09

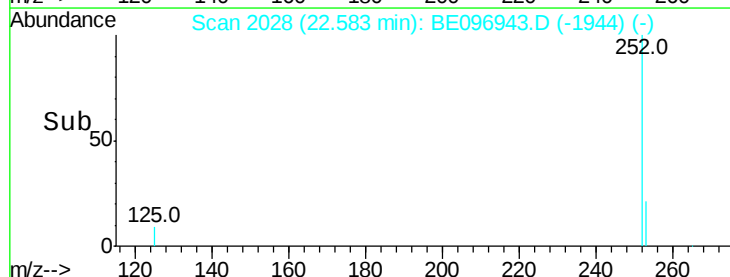
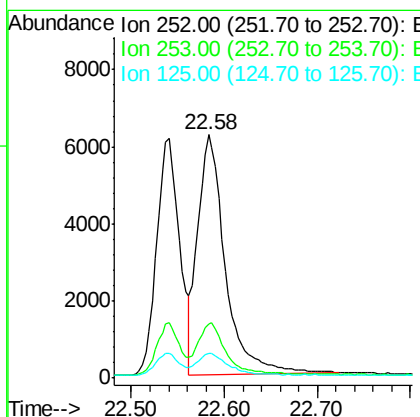
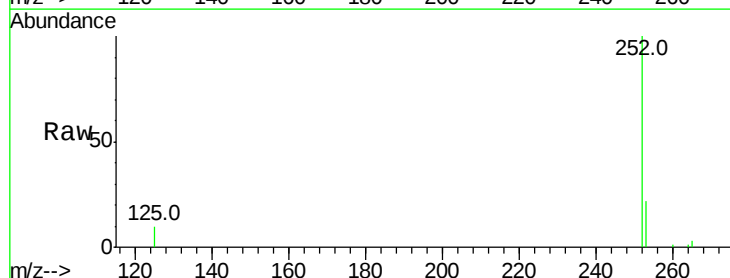
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

Tot Ion:252 Resp: 10564  
Ion Ratio Lower Upper  
252 100  
253 23.1 20.0 30.0  
125 10.4 16.0 24.0#



#36  
Benzo(k)fluoranthene  
Concen: 0.355 ng  
RT: 22.58 min Scan# 2028  
Delta R.T. 0.00 min  
Lab File: BE096943.D  
Acq: 16 Jul 2018 18:09

Tgt Ion:252 Resp: 12733  
Ion Ratio Lower Upper  
252 100  
253 22.1 16.0 24.0  
125 9.9 8.0 12.0





#37

Benzo(a)pyrene

Concen: 0.373 ng

RT: 23.11 min Scan# 2177

Delta R.T. -0.00 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

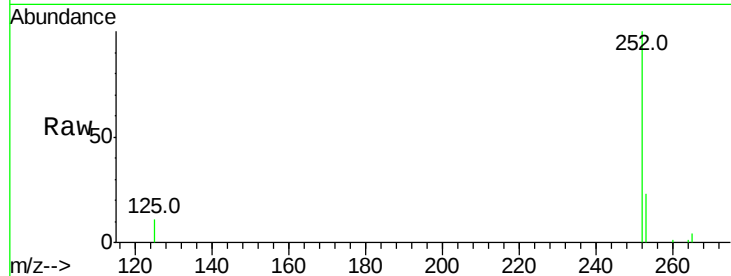
Tot Ion:252 Resp: 9328

Ion Ratio Lower Upper

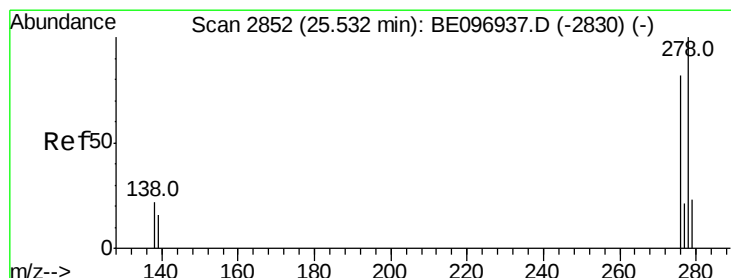
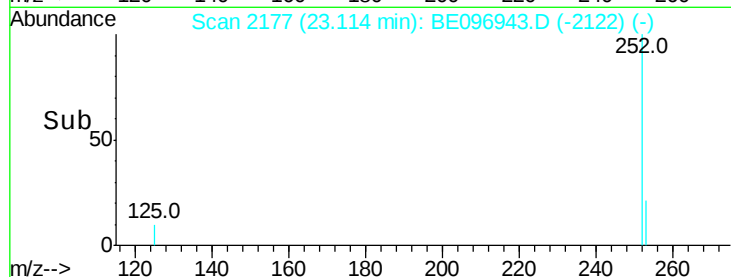
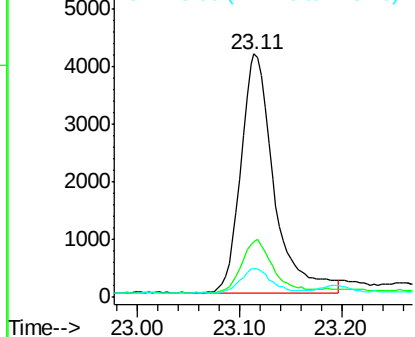
252 100

253 22.9 16.0 24.0

125 11.5 12.0 18.0#



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: 0.405 ng

RT: 25.54 min Scan# 2853

Delta R.T. 0.01 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

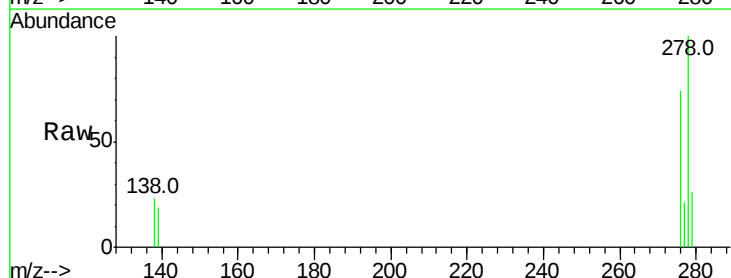
Tgt Ion:278 Resp: 8486

Ion Ratio Lower Upper

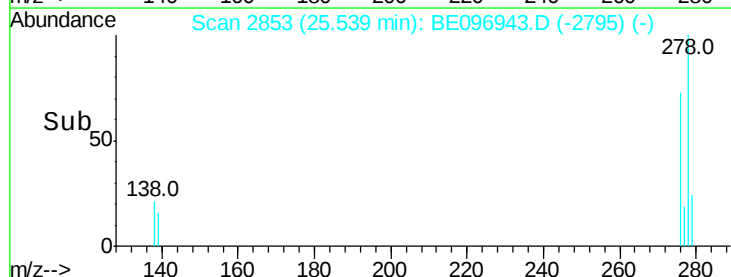
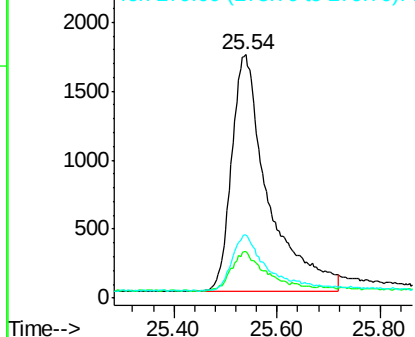
278 100

139 19.2 16.0 24.0

279 26.2 20.0 30.0



Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.371 ng

RT: 26.21 min Scan# 3040

Delta R.T. -0.00 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

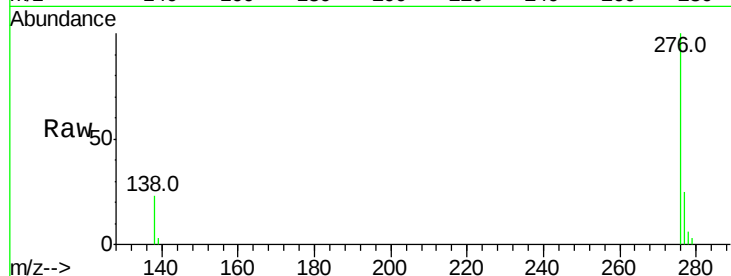
Tot Ion:276 Resp: 9094

Ion Ratio Lower Upper

276 100

277 24.6 16.0 24.0#

138 22.8 20.0 30.0



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

